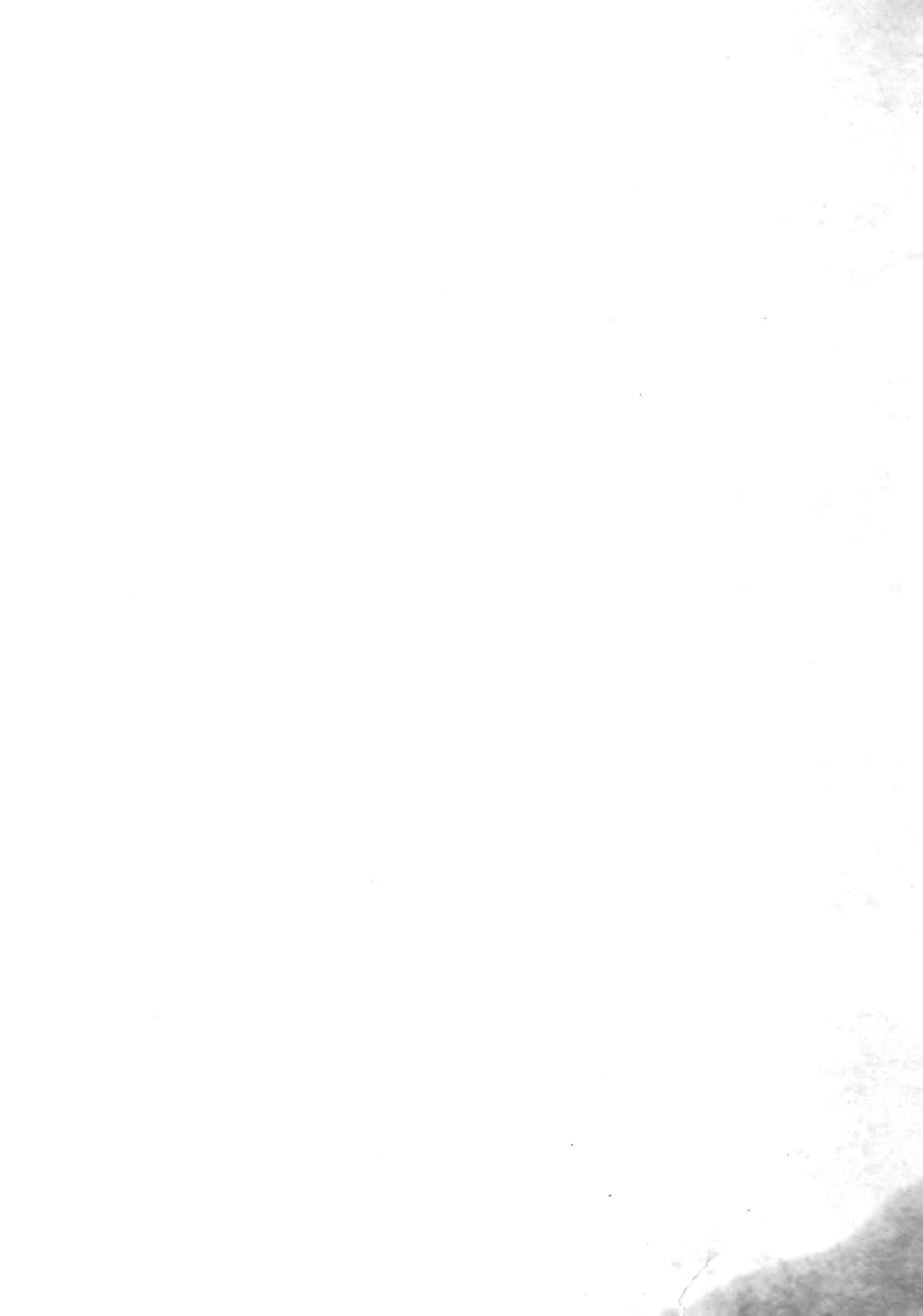
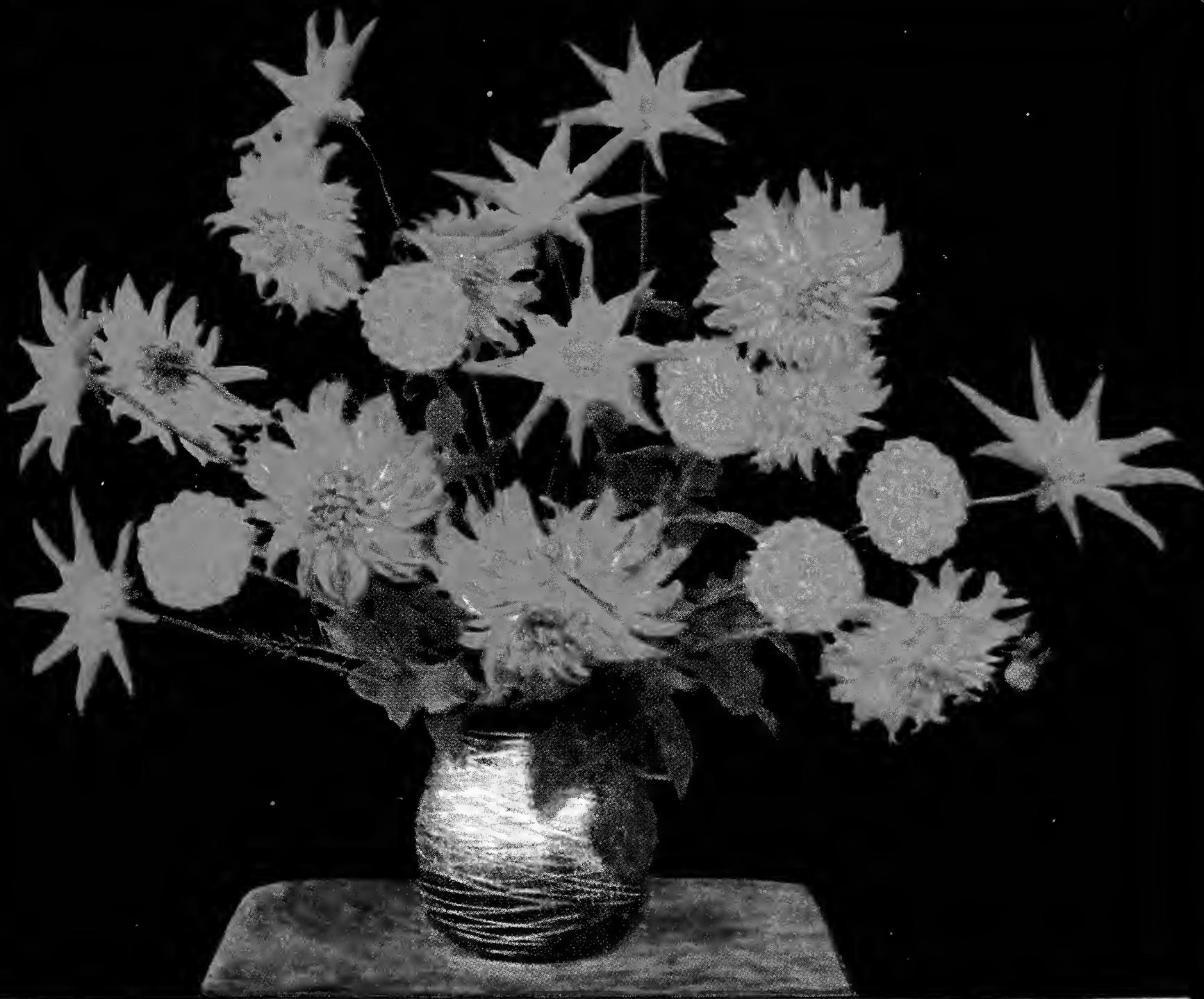


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.



62-57



DAHLIAS OF QUALITY AND DISTINCTION





Cherokee Brave (Informal Decorative)

CHEROKEE BRAVE (Ricks-Dahliadel 86E), 1938, Bloom 11 x 6, Bush 5½ ft. According to reports last season the ones who did not get this variety wish they had it, and wonder how they missed it. This large exhibition variety is the best and prettiest rich red that has been introduced and has proved a successful winner in the largest bloom class as it has long straight stems, great depth and easily grows 11" to 13" across. It blooms early, is very prolific especially so for such large blooms. This is an ox-blood red that holds its color in the sun. A prominent grower in Ohio reports it is the best red he has had in ten years. A great prize winner that has done well in many sections especially in the Mid West and South. Won as the Best Undisseminated Seedling for two consecutive years at Atlanta before being introduced. Award of Honor and Presidents cup at Atlanta, Ga., 1938. Roots, \$5.00; Plants, \$2.00

SILVER ANNIVERSARY of Our Catalog

Copyright, 1939 by Warren W. Maytrott. 25th Edition

We are pleased to submit this, the 25th edition of our catalog and thank our many customers for their loyal support and friendship which made this possible. Hoping you will find this edition most interesting and instructive and trust we will merit your continued co-operation.

Dahliadel is now offering for the first time **Pot Roots** and **Rooted Cuttings**. We are continuing our policy of recommending that which we think best for your guidance. We have been supplying stock in the form of **Field Grown Root Divisions** and established **Green Plants** for many years, but with advancement in production methods we want to pass on this saving in production cost to those who have the equipment and want to do more of the growing themselves.

POT ROOTS

We have grown Pot Roots for a number of years for our own planting but are offering a limited number of them to our customers this year. Pot Roots are small clumps grown in 3" pots in the open during the summer, then grown in greenhouses and allowed to ripen naturally by the end of December. We can recommend Pot Roots for garden planting as we believe them equal to Root Divisions in every way while in price they are 1/3 less than Root Divisions because of lower production cost.

Pot Roots will produce bushes and blooms equal to Root Divisions or Green Plants and in most cases produce clumps equal or better than divisions, and in nearly all cases larger and better than from Green Plants or Rooted Cuttings. You will find a list of Pot Roots on page 44.

GREEN PLANTS

Dahliadel plants are sprouts or cuttings taken from stock of named varieties, grown in specially built greenhouses, rooted in sand benches in air-conditioned propagating houses, potted and grown inside until established, then moved to cold frames for hardening off, ready for shipping and field planting.

We have grown for ourselves and shipped successfully to others, hundreds of thousands of green plants and have found them very satisfactory for a goodly number of our customers who understand their care and want the new varieties at a substantial saving in price which is about 2/3 less, or 1/3 the price of roots on the higher priced varieties.

Green Plants, when properly grown from healthy stock, give equal or better blooms, than from roots and most varieties make a nice clump. The way the plant is grown has a lot to do with root production, but we believe by following our cultural instructions you will have roots as well as blooms.

Plants are superior to rooted cuttings especially for those who do not have cold frames or do not do some propagating or grow other plants for themselves. Of course, all plants were rooted cuttings before potting up and therefore an established plant is older and more hardy for shipping.

Dahliadel green plants are properly grown and hardened for shipment and in our specially designed shipping box have been successfully sent all over the United States.

ROOTED CUTTINGS

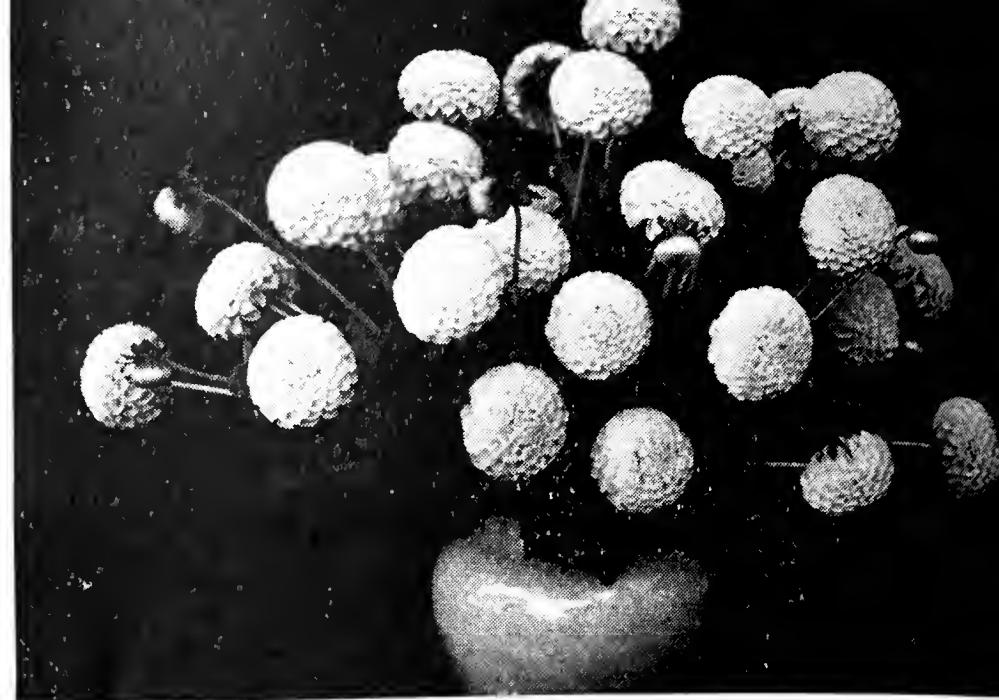
While we do not recommend rooted cuttings to those who have never grown them or do not have proper facilities and time to care for them and grow them into plants ready for garden planting, we realize there are a number of dahlia enthusiasts who do some of their own propagating and can handle rooted cuttings satisfactorily. We have made a number of test shipments of rooted cuttings in the past few years so we know how to pack and ship them to you in good condition. Further directions will be found on page 28.

Rooted cuttings are 1/3 less than plants. For example, a variety that would sell at \$3.00 a root, \$1.00 a plant, would be .67 for a rooted cutting. By availing yourself of Quantity Discounts 3 rooted cuttings would be \$1.80, 6 for \$3.50 or 12 for \$6.00, or the price of 2 \$3.00 roots.

DAHLIADEL'S WINNING DISPLAY AT NEW YORK AND CAMDEN

Winning A.D.S. Gold Medal for Most Outstanding and Meritorious Commercial Exhibit at New York, 1938





BETTY MALONE (Malone-Dahliadel 87S), **Pom**, Bloom $1\frac{3}{4} \times 1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. The outstanding Pompon of the year. Among its winnings were three Blue Ribbons and two awards for outstanding entries at the A.D.S. Show in N. Y. and the best Pom in the Seedling class at Camden, as well as three First Awards at other shows. A very outstanding and clean cut variety that produces a mass of blooms perfect in form for exhibiting. A Pompon which is different in color, white with each petal distinctly and evenly tipped violet purple. Stems long and straight on bushes that branch naturally. Scored 87 at Storrs in 1937 and Cert. at W. Va. and O. V. D. A. as well as recommended at Ga., 1938. Listed in the House Beautiful Futurity, '39.

Roots, \$5.00; Plants, \$1.50

CHITA (Dahliadel 85S), **Bloom** $1\frac{3}{4} \times 1\frac{1}{4}$, **Bush** 3 ft.

Of these three yellow Pompons we believe Little Prince and Grain O'Gold will win on the show table from what we have seen of the blooms. Chita is just right for a commercial as it is a good keeper, does not shower petals, bush and stems perfect and centers very full. A beautiful clear canary yellow even under artificial light. Roots, \$5.00; Plants, \$1.50

Introductions of Other Growers

GRAIN O'GOLD (Tooker-Ruschmohr), **Pom**. A very interesting and neatly formed clear yellow. A seedling of Little Edith winning for the Best Pompon Seedling at N. Y. in 1938.

Plants, \$1.50

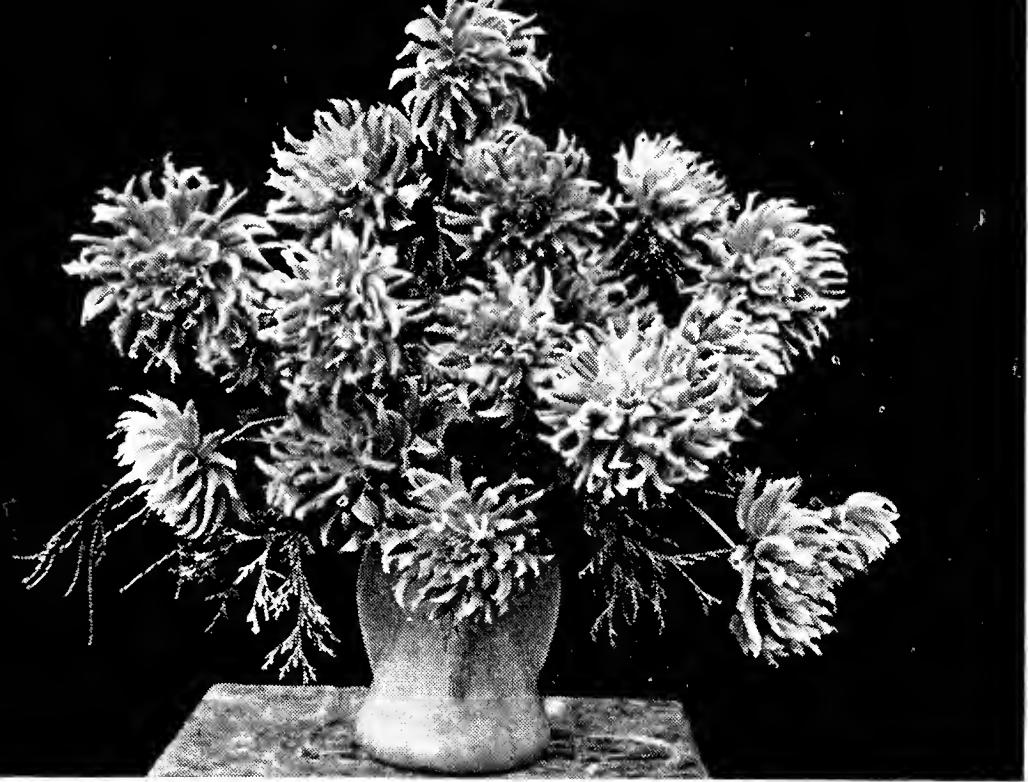
LITTLE PRINCE (Johnson), **Pom**, **Bloom** $1\frac{1}{4} \times 1$. The smallest of yellow Pompons. Very neat. Completes to stem the way a good Pompon should. Not having grown this variety do not know growing habits. House Beautiful Futurity, '39. Plants, \$1.00

DAHLIADEL 1939 INTRODUCTIONS

VIRGINIA SHIPLEY (Cory-Dahliadel), **FD**, Bloom 11×7 , Bush 5 ft. This wonderful dahlia was named for the young lady who is pictured below. Have watched this dahlia since it first won in the Seedling Class in Baltimore three years ago. It has been a consistent prize winner and a close runner-up for the Achievement Medal both in New York and Camden this season. In 1937 it won the American Home Achievement Medal in Washington and in 1938 it won the Camden Medal for Best Formal Decorative and a Silver Medal in Detroit, beside two A.D.S. Medals in New York and First prize for Best Yellow, 5 blooms, in Washington, winning over California Idol, Lord of Autumn and Dixie Queen. Won Medal in Baltimore for Best Maryland Origination. Listed in the Dahlia Futurity, '39. Deep lemon yellow with a golden hue which is so different from our other yellows. The foliage is heavy and rugged, growing without the special care of dusting or spraying which some of our yellows need. The bloom opens as a Formal Decorative but develops into an Informal Decorative at times.

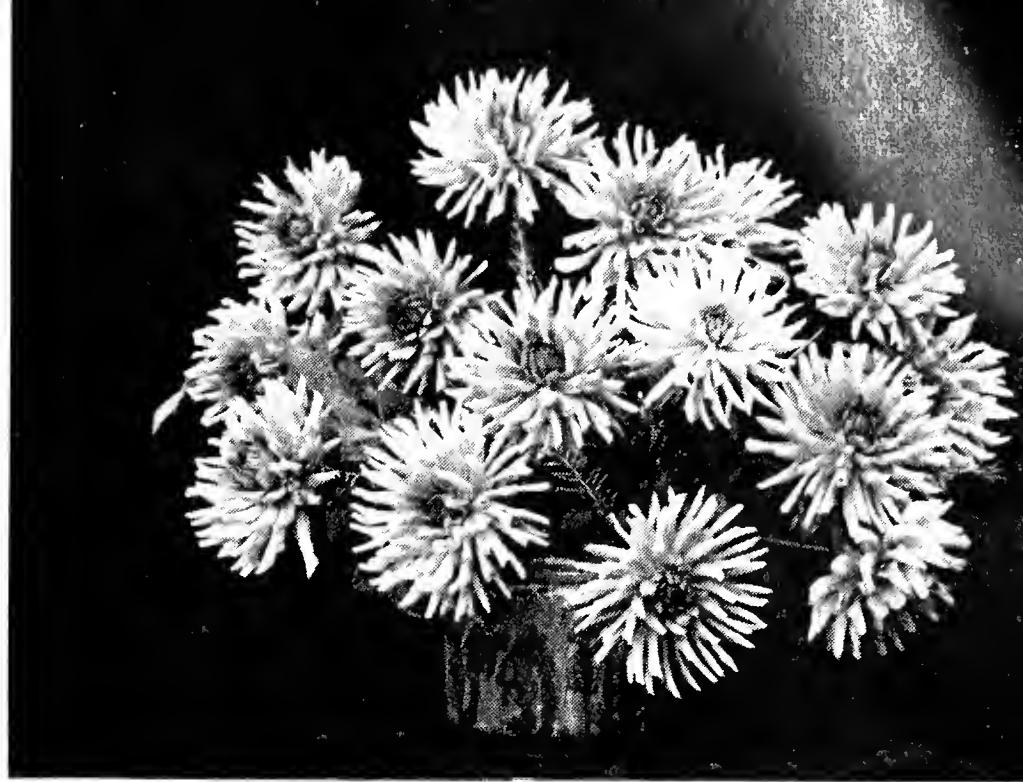
Roots, \$10.00; Plants, \$3.50





Dianne

DIANNE (Dahliadel 85S), **M S-C**, Bloom $3\frac{1}{2}$ x $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A dainty miniature in rose and tan similar to Rapture in color. Strong, slender stems. Early, profuse, full centers and good form throughout the season. Won first in the Min. Seedling Class in N. Y. in 1937, Cert. E. Lansing, O.V.D.A. 1938, and recommended at Georgia under Seedling 101x33. Listed in Dahlia Futurity, '39. A real commercial and an exhibition variety. Roots, \$5.00; Plants, \$1.50



Julia S.

JULIA S. (Scheel-Dahliadel 85S), **M C**, Bloom $3\frac{1}{2}$ x 2, Bush $4\frac{1}{2}$ ft. This rather tall growing miniature Cactus has a sturdy bush growth with long stems. The deep rose pink appears to have a golden suffusion at the base of petals. Cert. at Storrs in 1936 and E. Lansing in 1937. Listed in the House Beautiful Futurity, '39. A prize winner in Baltimore this season. Comes into bloom the middle of September. Roots, \$2.00; Plants, \$1.00

MARIETTA E. (Eldridge-Dahliadel 85C), **IC**, Bloom 7x 3, Bush $3\frac{1}{2}$ ft. Won at New York, Open To All, and Undisseminated Medium Cactus as well as Mrs. Stout's Medal for best dahlia of New Jersey origin. At Baltimore two Firsts in Seedling Cactus classes and a special for Best Yellow Cactus. In Philadelphia it added to its winnings with the American Home Achievement Medal, and two Firsts. At Camden it won A.D.S. Medal for Best Undisseminated, any type, under 7", and a First for Artistic Arrangement, 20 blooms. Eleven Firsts make it the outstanding Cactus for the season and we believe it will continue as a real winner. A profuse bloomer with perfect stems and a good grower. A clear and even canary yellow that does not burn or fade. Cert. at Storrs, 1937. Listed in Dahlia Futurity, '39.

Roots, \$7.50; Plants, \$2.50





Dahliadel Snow White



Dahliadel Wonder

DAHLIADEL 1939 INTRODUCTIONS, cont'd.



DOC

DAHLIADEL SNOW WHITE (Dahliadel 85), **S, 1939, Bloom 5, Bush 4 ft.** A pure white Single with serrated petals which roll forward, inclining to the Orchid Flowering Type. Destined to be even more popular than Little America as it received many favorable comments wherever displayed and is listed in the Dahlia Futurity, '39. It is a fine grower with excellent stems and wonderful keeping qualities. We have found this new Single excellent for arrangements and popular with the florists.

Roots, \$3.00; Plants, \$1.00

DAHLIADEL WONDER (Dahliadel 85), **S, 1939, Bloom 5½, Bush 5 ft.** We have few Single dahlias as pretty as this new flesh pink shaded violet rose with yellow shadings at center. A prize winner in its class with excellent stems and keeping qualities. Showy in the garden, a fine commercial and the best exhibition pink Single we have grown or seen. We are therefore, very proud to introduce it and do recommend it highly. Listed in the House Beautiful Futurity, '39.

Roots, \$3.00; Plants, \$1.00

DOC (Dahliadel 85), **S, 1939, Bloom 4, Bush 4 ft.** A most attractive Single of primrose yellow shaded orange with a white stripe in the center of each petal. A favorite in our trial grounds for its outstanding color and keeping qualities. Won first in the Novelty Class, Penna. Horticultural Society, 1938. Cert. E. Lansing, 1938 and listed in the Dahlia Futurity, '39. These interesting bi-colored varieties are becoming more popular each year for their usefulness in arrangements and they are favorites in the cut flower market as well as in the garden.

Plants, \$1.00

THRILL (Dahliadel 85), **S, 1939, Bloom 4, Bush 3 ft.** Appropriately named as it is one of the most striking of all bi-color dahlias. Cardinal with a distinct white spot in the end of each petal that certainly attracts your attention at once although red may not be your favorite color, for it is such a bright pleasing cardinal and the white spot is so showy that it stands out either in a display or in the garden. Sturdy bush growth and a profuse bloomer. Sure to please you. Listed in J. W. Johnston's Futurity, '39.

Roots, \$3.00; Plants, \$1.00



THRILL



DAHLIADEL NURSERIES

1939 INTRODUCTIONS of Other Growers

Plants Grown from Originator's or Introducer's Stock

DAI WONG (Mack-Lakeside), F.D. Described as a Formal but inclines to Informal here in the East. This lemon yellow, with its white reverse is very striking. As the name means in Chinese, it is "Huge Yellow," growing 12" or more. On House Beautiful Futurity, '39.

Plants, \$3.50

GLAMOUR (Salem D. G.), I.D. The color of this dahlia is unusual as it is a purple veined violet. It is a tall, rugged grower with blooms 11 x 7 on good stiff stems. Listed in House Beautiful Futurity, '39 and an Achievement Medal Winner, Baltimore.

Plants, \$10.00

HILLSIDE GOLD (Bissell), C. This is a combination of golden yellow with an apricot glow that is fine for basket work. Won two Firsts in the Cactus Class this season. Blooms average 8 x 4. Bush grows about 4 ft. tall. Listed in Dahlia Futurity, '39.

Plants, \$3.35

HILLSIDE SUNSET (Bissell), I.D. A score of 86 at W. Va. and its record of seven Firsts this season recommend this dahlia highly. Golden yellow lightly suffused or penciled red in the early season which later blends into gold as it fully opens. A seedling of Margrave with more size and beauty. Listed in House Beautiful Futurity, '39.

Plants, \$5.00

JEAN JOHNSTON (Johnson), IC. Winner of Achievement Medal in Camden. This large Cactus dahlia is a salmon apricot shading to lemon yellow at the center. Flowers which have a decided tendency to Incurve are deep, well-formed and about 10" across. A variety that should easily win in the Cactus Class. Listed in Dahlia Futurity, '39.

Plants, \$5.00

JOSEPH E. MITCHELL (Mitchell-Ruschmohr 85E), ID. A clean-cut, soft buff blended apricot. Blooms are regularly formed with long, straight, pointed petals. A variety that is outstanding in both color and form. Bush about 3 ft., stems erect but not clumsy. A large variety we saw growing and can highly recommend.

Plants, \$3.50

LOIS WALCHER (Walcher-Geneva D. G.), F.D. or ID. The most outstanding bi-color of the season, winning six American Home Achievement Medals besides 21 other First prizes. Cert. E. Lansing '35 and O.V.D.A. '37. Listed in House Beautiful Futurity, '39. Scarcely any variations in the color of true purple with the outer third of petals a clear white. A strong grower with perfect stems and an early, profuse bloomer. A Formal inclined to Informal. Blooms are 8 x 4. It surely appealed to us on the show table.

Plants, \$3.50

MODEL 999 (Lakeside D. G.), S-C. A large seedling of Satan that grows 12 x 8. A fiery red with gold reverse. Named for Henry Ford's first racing car. Listed in House Beautiful Futurity, '39. Cert. E. Lansing, 1936 and is really an attractive bloom on long stems.

Plants, \$3.50



Your Lucky Star

YOUR LUCKY STAR (American D. F.), St.C. Amaranth pink with white center. Regular formation inclined to Semi-Cactus. Stems are ideal holding the flower in good position. Plants are healthy, medium tall and easy to grow. Achievement Medal, Racine, Wisc., best seedling at Greensburg, Pa., Grand Prize Winner for the best flower in show at Latrobe, Pa. and listed in House Beautiful Futurity, '39.

Roots, \$10.00; Plants, \$3.50

Premier's Winsome (Premier D. G.), ID. The massive blooms easily grow 11 x 6. Described by those who grew it as one of the best of the new dahlias, nice form, substance and excellent plant growth. Basic color white suffused with mallow pink. Cert. E. Lansing, '38. This may be a border line dahlia but it grew Informal in the East.

Plants, \$5.00

RITA WELLS (Ruschmohr), ID. or S-C. This new introduction tops Sunrays and Rudolf's Giant for size. Winner of American Home Achievement Medal at Rockville Center. Cert. W. Va., '37 and listed on House Beautiful Futurity, '39. Rosy buff with the reverse subdued lilac pink. Petals have a decided golden sheen. A rugged grower, 5 to 6 ft., with long heavy stems. Should be a winner in the largest bloom class.

Plants, \$5.00

SAN FRANCISCO (Ballay), ID. Another dahlia of extraordinary size, easily produced over 12" with great depth. A pleasing shrimp pink in a class by itself. We understand it is not an exceptionally early bloomer. Tall open grower with medium dark foliage. Listed in Dahlia Futurity, '39.

Plants, \$5.00

BABY SNOOKS (Mack-Lakeside), M FD. This variety made a very good appearance in New York where it was sent in by Air Mail. We believe this variety is worthy of your trial and should prove successful on the show table as it is a clear canary yellow on well proportioned stems. Rugged, insect-resistant foliage. Listed in Dahlia Futurity, '39.

Plants, \$1.50



DAHLIAS FOR YOU TO GROW

A number of our customers tried out our seedlings last season and from reports we are naming and listing 42X as Red Spider. This name was suggested by a number of those who grew it, in fact the first three names sent in were all Red Spider. We are using the name of Tarzan for 110. These dahlias are yours for the asking, a plant on each \$5.00 order or a root on a \$10.00 order as a gift, in addition to our free root offer. Our new seedling 74 will be loaned to you to grow on a \$10.00 order and you will be relieved of any responsibility of loss.

A dahlia is undisseminated as long as it is not sold or given away and the title of ownership remains with one person. According to Seedling classes in most dahlia shows, this dahlia can be shown in the Undisseminated or Seedling Classes by the one growing it. To anyone who suggests a name that is accepted for this seedling the stock of this variety which they have tried will become their property with our compliments.

74 SEEDLING, FD, Bloom 10 x 4, Bush 5½ ft.

A seedling we have been growing for a few years that has size, wonderful stems and good color and form. Centers are always full. However, it does not bloom in time for the early shows and would not be good where seasons are short. Color, soft apricot buff suffused coral red which is most attractive. One you will enjoy growing.

RED SPIDER (Seedling 42X), **ID**, **Bloom 9 x 5, Bush 5 ft.** We believe this dahlia will prove satisfactory for those who like the English Cactus. It is a strong grower, branches nicely and blooms profusely. In comparison with a number of our finely quilled English Cactus this dahlia has a fairly good stem, some blooms facing while a very few tip some. **Roots, \$3.00; Plants, \$1.00** or a plant on each \$5.00 order or a root on a \$10.00 order in addition to our free root offer as explained above.

TARZAN (Seedling 110), **ID**, **Bloom 9 x 7, Bush 5 ft.** One of the prettiest formed and darkest red dahlias we have grown as a seedling. Color is very deep velvety carmine with almost black shadings. Its only fault is that it is inclined to be a little late and should be planted and pruned accordingly. Does best in ordinary culture. Will not take force feeding. **Roots, \$3.00; Plants, \$1.00** or a plant on each \$5.00 order or a root on a \$10.00 order in addition to our free offer as explained above.

* * *

STRAIGHT CACTUS DAHLIAS

AMBASSADOR, **Bloom 8 x 4, Bush 5 ft.** Soft yellow buff shaded salmon. Still popular. **.50**

BALLERINA (Frank's D. G. 85C), **Bloom 7½ x 4, Bush 5 ft.** General tone of the flower is a salmon orange with a touch of peach red. A favorite color with other cactus varieties. Fine for cutting and exhibiting as it is a good tall upright grower with long stems. **Roots, \$2.00; Plants, .75**

CALIFORNIA BEAUTY (Broomall 81C), **Bloom 7 x 3½, Bush 4¼ ft.** A pure copper in color. We have found this variety to be one of the best keepers as a cut flower, and we have never had enough for the market. Bush growth and stem excellent. **Roots, .50; Plants, .50**

DR. HELMUTH SPAT (Topsvoort 85C), **Bloom 5 x 2, Bush 4 ft.** A clear light lilac that is much in demand by florists. Stems long, stiff and straight and it is a very free bloomer. Especially good late in the season. **Roots, .50; Plants, .50**



SAARLAND'S HEIMKEHR



DAHLIADEL NURSERIES

STRAIGHT CACTUS DAHLIAS

DULCINEA (Bruidegom 84C), **Bloom 6 x 3 1/2, Bush 4 1/2 ft.** A new soft crimson red with long, pointed petals. Slender wiry stems and a good grower, does best in cool weather. **Roots, \$1.00; Plants, .50**

ELLA MAY (Prentice-Dahliadel 85E), **Bloom 7 x 5, Bush 5 ft.** A good Cactus dahlia with a real good stem, although at times it is an Incurved Cactus. Flowers are large and deep, with full centers, suitable for exhibition. Color, deep crimson carmine, dark, yet rich and distinctive. A good grower. **.50**

FRAU IDA MANSFIELD (Schone 85C 86E), **Bloom 7 x 4, Bush 4 1/2 ft.** Color is clear, pale lemon. The revolute petals are cleft giving the effect of having double the number of normal petals and making a very full and attractive flower. An early and profuse bloomer and a variety we heartily recommend. **Roots, .75; Plants, .50**

JEAN PARTURET (France), **Bloom 8 x 4, Bush 3 1/2 ft.** This fine foreign variety of canary yellow is artistic in form and has blooms very large and deep for this type dahlia. The petals are long, narrow and serrated for about $\frac{3}{4}$ ". Held on extremely rigid stems. A very prolific bloomer and a strong vigorous grower. **Plants, .75**

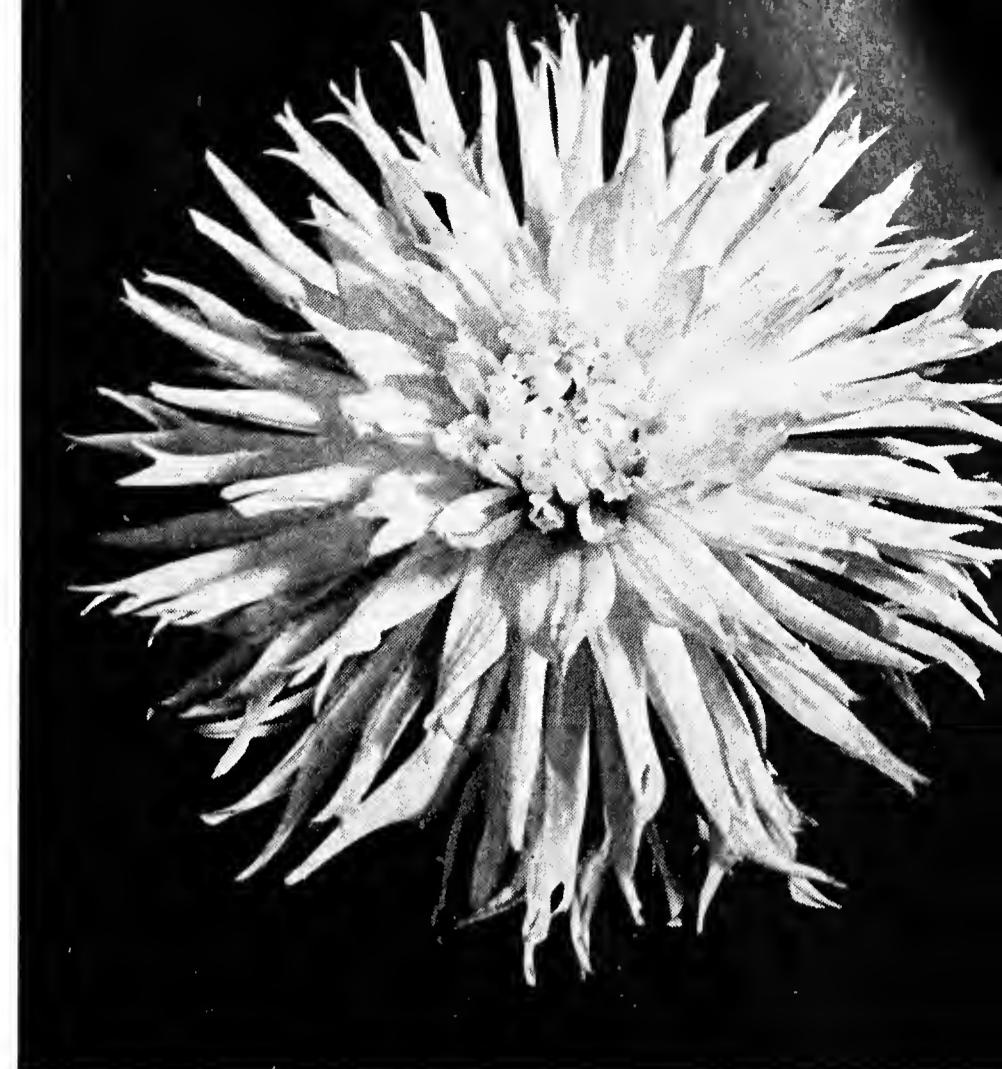
JERSEY'S DAINTY (Waite 85E), **Bloom 7 x 3, Bush 5 ft.** A dahlia that will not only win on the exhibition table but is good for cutting. It is truly dainty in color, white faintly tinged lavender, almost pure white late in the season. A prolific bloomer with long, straight stems. Foliage dark and healthy. Popular with florists. **Roots, .75; Plants, .50**

MISS BELGIUM (Nagels 85C), **Bloom 6 x 4, Bush 4 1/2 ft.** Blooms early and continuous on long wiry stems. Keeps well and is very useful for small baskets and arrangements as it is airy in form and popular in color which is an even shade of bright orange. Effective with other flowers. **Roots, .50; Plants, .50**

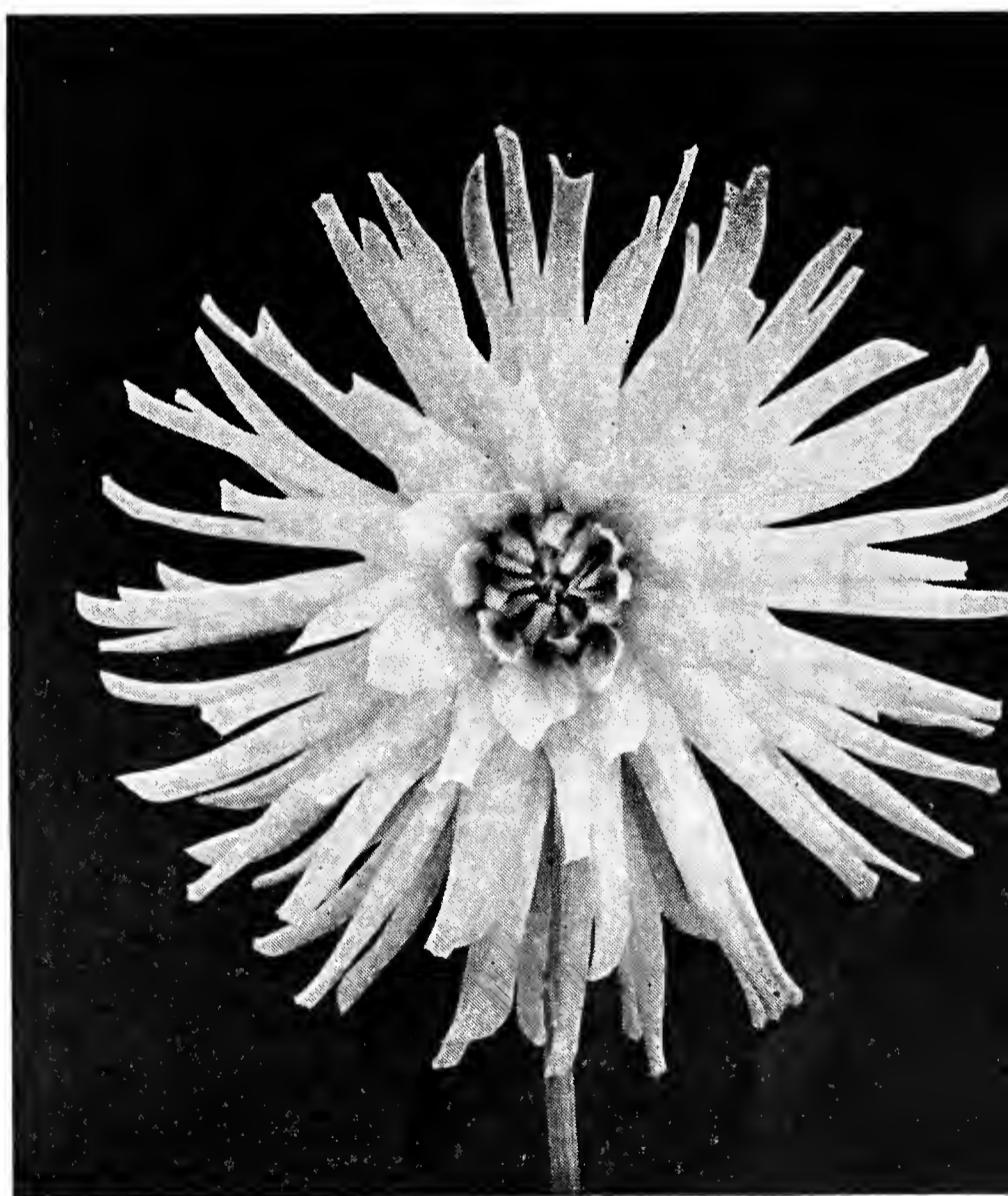
MRS. BRUCE COLLINS (Groll-Dahliadel 84E), **Bloom 9 x 4, Bush 4 ft.** An exceptionally early bloomer and often blooms before it has had time to make a bush. Therefore, side pruning is advisable in the early season. It is a primrose yellow shading lighter toward the tips. A continuous bloomer. The low growing bushes are fairly covered with blooms. Good in the South. **Roots, .75; Plants, .50**

SAARLAND'S HEIMKEHR (Woditscka 85C 85E), **Bloom 7 x 4, Bush 3 ft.** We have found this one of the best of the European introductions of a very artistic formation with fine, slender petals. Deep rose pink shading to and tipped pale lemon yellow. It is a fine grower with full centers the entire season and with good stems. Award of Honor, Ga., 1937. **Roots, .75; Plants, .50**

THE OHIOAN (Frank's D. G. 85), **1938, Bloom 6 1/2 x 5, Bush 5 ft.** Color, bright peach red, almost spectrum red. Flowers evenly formed with good centers on long, strong stems. **Roots, \$2.00; Plants, .75**



Frau Ida Mansfield



Mrs. Herbert O'Connor

MRS. HERBERT O'CONOR (Berwick-Dahliadel 85C 86E), **1936, Bloom 9 x 5, Bush 5 1/2 ft.** The exceptional qualities, especially for a Cactus dahlia, are long, slender yet erect stems, blooms of exhibition size. An unusual bright rose pink shading to deep rose pink at center. Although we are classifying this dahlia as a Straight Cactus, it has a tendency at times to incurve. Cert. O.V.D.A. 88E. A variety we highly recommend. **Roots, \$1.50; Plants, .75**



Miss Ohio

INCURVED CACTUS DAHLIAS

MISS OHIO (Frank's D. G. 85C), 1937, Bloom 7 x 5 1/2, Bush 5 ft. The winner of the Derrill W. Hart Memorial Medal, the American Home Achievement Medal, 1936. The blooms are very uniform, full and complete. Color, lilac suffused deep rose pink. Stems very long and erect. Fine for cutting especially when disbudded. When not disbudded bushes are a mass of blooms 5 1/2 x 4". Foliage dark and healthy. Certified at Storrs and a variety we highly recommend.

Roots, \$3.00; Plants, \$1.00

AMERICAN TRIUMPH (American D. F. 84E), Bloom 8 x 4, Bush 5 ft. Color, oriental or bright, clear red. Blooms, with high full centers, are held on long, straight stems. Petals are decidedly incurved when flower is fully developed. A good garden and exhibition flower, as it is an exceptionally good keeper. Susceptible to thrip and leaf-hopper injury.

.50

F. W. FELLOWS, Bloom 8 x 3 1/2, Bush 5 1/2 ft. Lively orange scarlet.

Roots, .75; Plants, .50

GOLDEN STANDARD (Downs 85E), Bloom 9 x 5, Bush 4 1/2 ft. A warm buff shaded amber and gold. Very pleasing in form with full centers and evenly arranged petals. Like a number of other Incurved Cactus dahlias at times it is inclined to be Straight. Bush is a good open grower. Stem holds flower facing at right angles, which shows up well in the garden or when exhibited and has been a consistent prize winner.

Roots, \$1.00; Plants, .50

INSPIRATION (Ballego 84C), Bloom 7 x 3 1/2, Bush 6 ft. Light lemon yellow blooms with pointed petals. Very stiff, strong stems. Good for cutting or exhibiting.

Roots, \$1.00; Plants, .50

KAREOL, Bloom 6 x 2 1/2, Bush 4 ft. Yellow suffused and tipped carmine and old rose.

DAHLIADEL NURSERIES



LEIDEN'S ELEGANCE (Ballego 85C), Bloom 7 x 3 1/2, Bush 5 ft. A light cardinal in this class is welcome and especially one with long erect, stems. Good form and does well under ordinary culture. Fine for florists' use.

Roots, .75; Plants, .50

LILAC GLORY (Ballego 85C), Bloom 6 x 2 1/2, Bush 4 1/2 ft. One of our prettiest Cactus dahlias. Color, soft violet rose with silver shadings. Stems are slender but strong and erect, making it ideal for baskets and arrangements. Blooms early and continuously.

.50

MME. GEO. PEZANT (Foreign 85E), Bloom 8 x 4, Bush 4 ft. A truly Incurved Cactus, distinctive in form and color. A bright blood red with lighter reverse showing occasionally at tips. Long strong stems, rugged foliage and a good bloomer. Exhibition blooms may need some protection from the sun in the early season.

Plants, .75

PINK SPIRAL (Bruidegom 85C), Bloom 8 x 4, Bush 4 1/2 ft. A dainty attractive color combination of peach blossom pink with yellow at the center that is very pleasing. Bush grows well and stems are excellent. Blooms very artistic in form.

Roots, .75; Plants, .50

RENATE MULLER, Bloom 8 x 5, Bush 5 ft. Violet rose, yellow shadings at center.

Roots, .75; Plants, .50

ROYAL PURCHASE (Salem 85E), Bloom 10 x 5, Bush 4 1/2 ft. This shaggy Incurved Cactus is really massive enough to go with the Semi-Cactus dahlias. However, the long slender petals twist and turn but revolute sufficiently to place it in the Cactus Class. Color, straw yellow outer petals suffused pink. A good early bloomer. Deep, full blooms held well out of the foliage.

Roots, \$2.00; Plants, .75

SLEEPY HOLLOW (Cuyahoga D. G. 85E), Bloom 9 x 5, Bush 6 ft. This winner of the Dahlia Futurity for 1938 is a pure pink with a white center, borne on long, strong stems, and attracted a great deal of attention in the show rooms. Won first in the Cactus Class in New York, besides numerous Firsts and Specials elsewhere.

Plants, \$2.00

SON OF SATAN (Slocum 85E), Bloom 11 x 5, Bush 5 ft. This variety is an improvement over Satan as it is a bright scarlet and has stronger stems. Although the petals revolute sufficiently to bring it into the Incurved Cactus Class, under varied conditions it will develop into a Semi-Cactus.

Roots, \$3.50; Plants, \$1.25

SPORT, Bloom 8 x 3 1/2, Bush 5 1/2 ft. Deep buttercup yellow, buff shadings at center.

.50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



DAHLIAEL NURSERIES

SEMI-CACTUS DAHLIAS

BALLEGO'S SURPRISE (Ballego 85C 86E), 1936, Bloom 9 x 5, Bush 5 ft. Truly a white Frau O. Bracht but easier to grow. It keeps wonderfully well when cut and is easy to handle both as a commercial and an exhibition variety. Deep, full-centered blooms on strong erect stems with bush growth that is very desirable. This variety won many awards in Europe and is a consistent and popular winner in this country.
Roots, \$1.50; Plants, .75

FRAU O. BRACHT (Berger 84C 86E), Bloom 9 x 4 1/2, Bush 5 ft. A good cut flower as well as a prize winner, keeping well and holding blooms on fine stems. A straight-petaled Semi-Cactus, at least it is classified as such, although at times the majority of petals revolute for more than half their length and allow it to qualify as a Cactus. Color, a clear, light primrose yellow. A.D.S. Cert.
Roots, \$1.00; Plants, .50

JULIUS C. BUNGE (Carlee), Bloom 7 x 4, Bush 4 1/2 ft. Color, pure bright pink without any lilac or violet. A very free bloomer on excellent long stems. A wonderful exhibition variety.
Plants, \$1.50

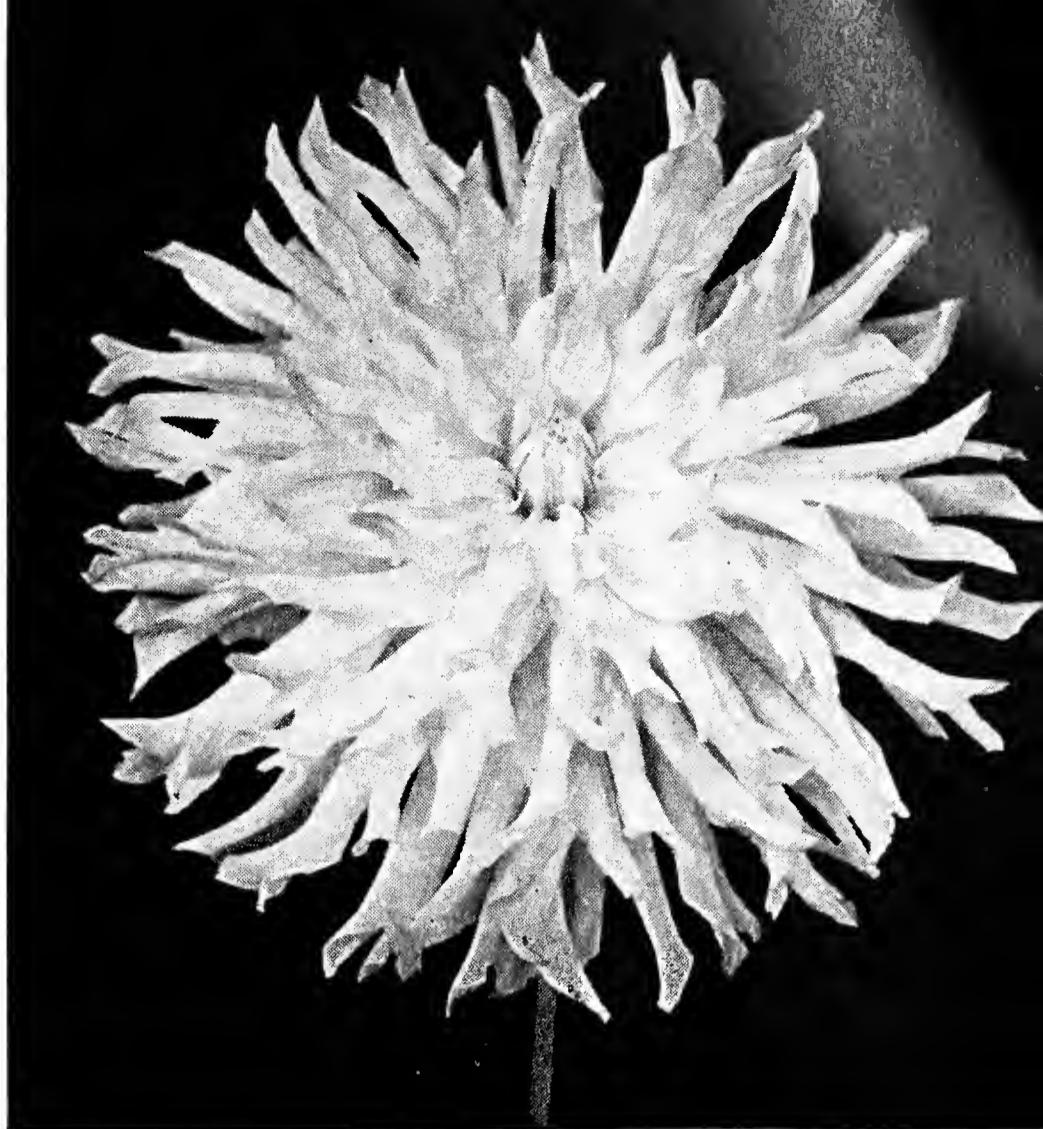
KAY FRANCIS (Cordes-Eastman 85E), Bloom 8 1/2 x 5, Bush 5 1/2 ft. The beautiful deep flowers with high full centers and numerous petals are soft lemon yellow, slightly deeper than Frau O. Bracht. It is a tall rugged grower with sturdy stems, and good branching habits but needs disbudding to produce exhibition blooms. Good for cutting.
Roots \$1.00; Plants, .50

MISS GLORY (Balley-Success 86E), 1936, Bloom 10 x 5, Bush 4 ft. Outstanding because it fills the need for a deep yellow Semi-Cactus for exhibition. Stems are satisfactory. Color, soft apricot yellow with lighter shadings. The petals are rolled and considerably incurved. Blooms from midseason on.
Roots, \$2.50; Plants, \$1.00

PRACHTKERL (Werner), Bloom 9 x 4, Bush 4 1/2 ft. A seedling of Frau O. Bracht, deeper in color and larger. Color, primrose yellow. A very pleasing and satisfactory variety.
Plants, .50

RED JUG (Preas-Ruschmohr 85E), 1936, Bloom 8 1/2 x 5, Bush 5 ft. A remarkable brilliant crimson carmine with faint yellow tips. It has wonderful keeping qualities. In form it comes close to being a true Cactus at times. Stems are cane stiff and hold the flowers perfectly facing. Foliage is insect-resistant. A consistent winner with many prizes to its credit. Cert. at Storrs. Roots, \$2.00; Plants, .75

RUDY VALLEE (Broomall-Success 84E), Bloom 11 x 6, Bush 5 ft. It has size, beauty, keeping qualities and is very attractive. Flowers are full-centered and are held well above the clean-cut foliage on long, straight stems. Vigorous growth. A. D. S. Cert. Color, reddish apricot, gold center. Blooms from mid-season on.
Roots, .50; Plants, .50



Ballego's Surprise



PAUL PFITZER

PAUL PFITZER (Berger 85C 85E), Bloom 8 x 4, Bush 4 ft. A Foreign novelty that has won a name for itself in arrangement classes, baskets and for general florists' use. It is a pleasing combination of sulphur yellow and lilac rose that blends wonderfully well with Frau O. Bracht for basket work. Strong, vigorous plants with dark foliage and excellent stems. A wonderful cut flower.
Roots, \$1.00; Plants, .50



SEMI-CACTUS DAHLIAS—Cont'd

fectly formed blooms as early as any variety in our fields and flowers are still perfect at frost. Color, soft golden yellow, very lightly suffused coral red similar in color to a light Jane Cowl but richer tone. A very practical dahlia with long slender stems.

Roots, \$2.00; Plants, .75

AMERICAN PURITY (American D. F. 85E), 1937, Bloom $10\frac{1}{2} \times 8$, Bush $4\frac{1}{2}$ ft. A fine, large, deep white on strong, erect stems. Its substance and keeping qualities make it an ideal exhibition dahlia. Foliage clean, and a good root maker. This variety won an Achievement Medal in among its prizes and is still a winner on the show table.

Roots, \$3.50; Plants, \$1.25

LIMELIGHT

ANDREA CSIZIK (Ballego 85C), Bloom $5\frac{1}{2} \times 3$, Bush 5 ft. A very beautiful commercial. Very similar in form and color to Dr. Helmuth Spat but a better root maker. We have not been able to grow enough blooms of either of these varieties for even local Florists. Bright violet rose on fine stems and a good grower. It will arrange beautifully for the exhibition table or home decorations. Early and profuse.

Roots, .50; Plants, .50

GRETEL (Bauer 84C), Bloom 6×3 , Bush $3\frac{1}{2}$ ft. Best described as a larger and darker Miss Belgium. Color, a soft fiery red. We find this variety very satisfactory for cutting and fine for exhibiting.

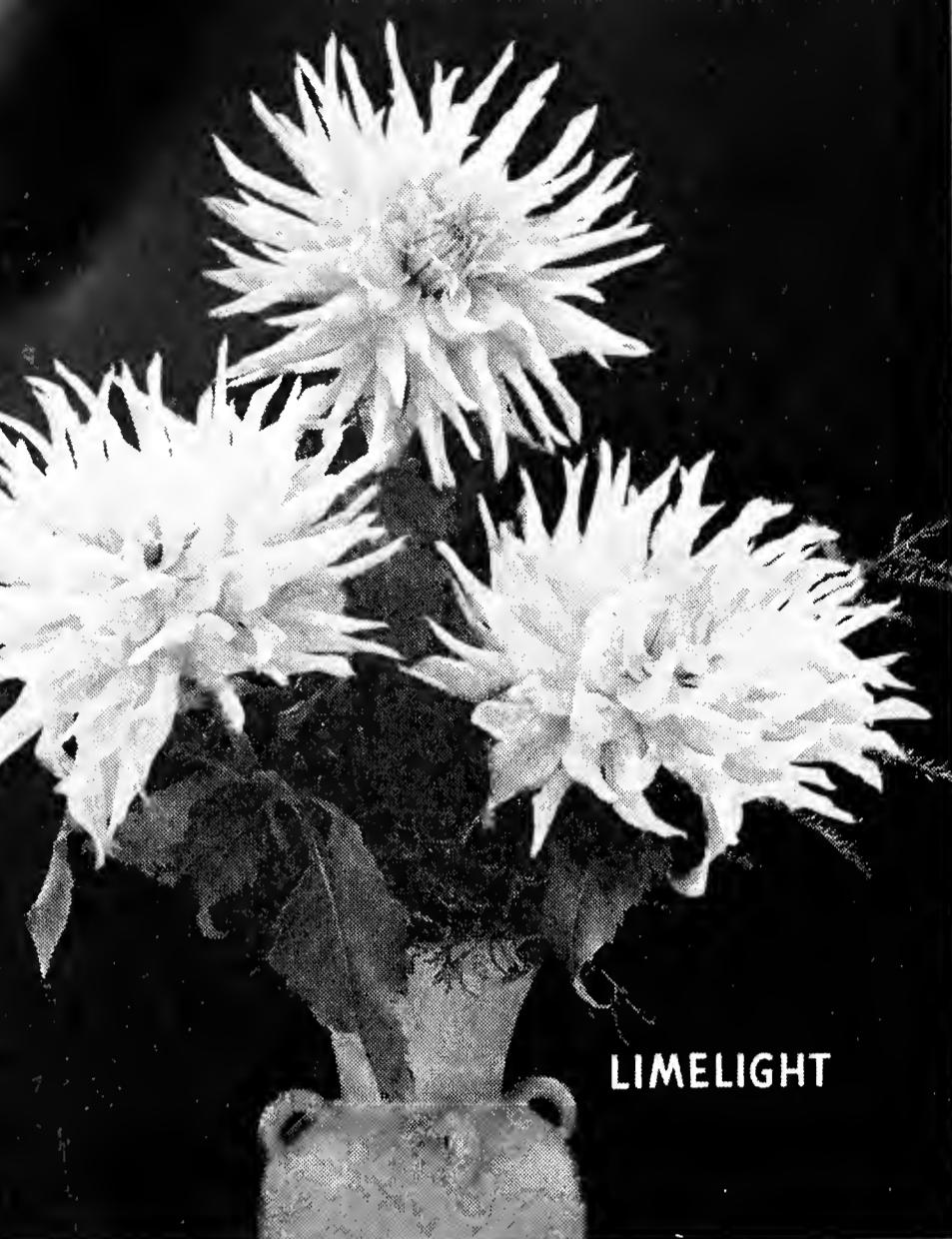
Roots, .75; Plants, .50

KARL BONAWITZ (Dahliadel 85E), Bloom 8×5 , Bush $5\frac{1}{2}$ ft. The brilliant, velvety carmine flowers are artistic and graceful in form. It comes the nearest to developing a perfect bush without topping or disbudding of any dahlia we know, as it just naturally branches and produces perfect and uniform blooms on long, erect stems. It is a wonderful keeper and arranges well with lighter dahlias.

Roots, .50; Plants, .50

LIMELIGHT (Dahliadel 85E), 1938, Bloom 9×5 , Bush 3 ft. A true Semi-Cactus with real pointed petals of soft sulphur yellow with blooms larger and deeper but similar to Frau O. Bracht and a variety that is much easier to grow. This is another semi-dwarf growing bush that will fit into landscape planting and give you exhibition blooms. Such compact bushes are not as easily damaged by storms. It has good erect stems, plenty long enough for cutting when disbudded and is an exceptionally free bloomer. Has performed exceptionally well in the heavy soils of Pennsylvania and Delaware and other sections of the country. **Roots, \$5.00; Plants, \$1.50**

SATAN (Ballay-Success 85E), Bloom 10×4 , Bush 6 ft. Color, scarlet with yellow on reverse of petals showing at the center as petals unfold. Stems are very long and may need some support in wet weather. Very showy in the garden. Bushes tall and rugged. Flowers are uniformly large and of regular formation, keeping well when cut. Certified at Storrs. **Roots, .75; Plants, .50**



Treasure Chest (Dahliadel)

TREASURE CHEST (Dahliadel 85C), 1936, Bloom $8\frac{1}{2} \times 6$, Bush 4 ft. The blooms grow in water and are better after two or three days inside, making it ideal as a cut flower, beautiful for baskets and all decorations. Treasure Chest produces beautiful, per-



SEMI-CACTUS DAHLIAS—Cont'd

AIKO (Dahliadel 85E), Bloom 10 x 4½, Bush 4½ ft.

A most spectacular dahlia. Cardinal or deep carmine, with a silver reverse showing at the center and tips, making it unusual. Bushes are strong, open growers. Reacts wonderfully well in heavy soil. This dahlia occasionally throws a flower off-form, which is easily forgotten in comparison to the number of perfect blooms, and we believe it will give you the satisfaction it has given us. Plants, .75

AMELIA EARHART (Cordes-Eastman 85E), Bloom 12 x 6, Bush 4 ft.

Although this variety has been temperamental in the past for some, we have stock which should be satisfactory. Color is apricot buff with salmon tints shading to soft yellow at base of petals. This variety is still doing its share of winning in the show room, as it is large and impressive when well grown.

Roots, \$1.00; Plants, .50

DORCAS ANN (E. & M. Williams-Dahliadel 83C), Bloom 7 x 5, Bush 4½ ft.

This dahlia is adapted to home decorations, general florists' use and basket work as it is a beautiful rose pink shading to creamy white at center. Bush, healthy and robust, stems always erect and flowering habits are ideal. A good grower and root maker. Certified at Storrs. .50

EDNA FERBER (F. & M. 85E), Bloom 9 x 4, Bush 5 ft.

The size and beauty of this flower still attracts much attention. The petals are curled and twisted, forming an extremely full flower. Color glistening coral, shading to old gold at base of petals. A good strong grower, with dark green foliage.

Roots, .50; Plants, .50

GREATER GLORY (Salem D. G. 85E), 1937, Bloom 11 x 5, Bush 6½ ft.

A tall, vigorous bush with healthy, leathery foliage and very artistic blooms. Classified as a Semi-Cactus but petals roll at the end of the season coming close to a Cactus. Color a deep rose pink occasionally shading to sulphur yellow at center. Winner of many prizes at the leading shows and an Award of Honor, Ga., 1937.

Roots, \$5.00; Plants, \$2.00

JEAN TRIMBEE (Trimbee 85E), Bloom 10 x 5, Bush 5 ft.

Massive yet artistic with long, revolute petals that curl and twist. The color is a beautiful petunia violet making it very popular as an exhibition dahlia. A tall, vigorous grower with long erect stems.

Roots, .75; Plants, .50

JIM MOORE, Bloom 10 x 4, Bush 4½ ft.

Primrose yellow shaded gold and suffused salmon. .35

MARY RETZER (Retzer 85E), Bloom 9 x 4, Bush 5 ft.

A sport of Edna Ferber with better stems. Color, a soft orchid pink, inclined to rose pink. A very pretty dahlia that is very popular and satisfactory as it is early, a strong healthy grower, and a color greatly admired.

Roots, \$1.00; Plants, .50

PRIDE OF AMERICA (American D. F. 85E), 1936,

Bloom 9 x 6, Bush 5 ft. A very full, deep Semi-Cactus that opens back almost to the stem and fares well on the exhibition table. Color, clear primrose yellow with a tinge of pink on the reverse of petals. Stems are strong, though not clumsy. Foliage medium dark and healthy.

Roots, \$2.00; Plants, .75



Jessica Dragonette

JESSICA DRAGONETTE (Jones-Alling 86E), 1935,

Bloom 12 x 6, Bush 5 ft. This dahlia not only is an exceptionally healthy grower but produces an abundance of wonderful exhibition blooms on real stems. They keep either on the bush or when cut. Color can be described as a buff apricot suffused peach and mauve. A very pretty color combination that demands its share of winnings in the show room. Large flowers of perfect form with beautifully pointed petals. Only a fair root maker.

Roots, \$1.50; Plants, .75

SALMON GIANT (Imported 84E), Bloom 9 x 6,

Bush 3½ ft. A strong, healthy grower producing uniform and artistic blooms nearly facing up on strong stems. Color, deep rose pink shading lighter at tips with apricot suffusion at center. Plants, .50



TRIAL GROUNDS

We appreciate services rendered to the dahlia public by the Trial Grounds in various parts of the country. Although some are not official A.D.S. Trial Grounds the information given out is certainly of value to the amateur in selecting varieties adapted to their particular locality.

Dahlias that have been certified in recent years at the Official Trial Grounds at Storrs, Connecticut, East Lansing, Michigan, Ohio Valley Dahlia Ass'n., Trial Grounds at Cincinnati, Ohio, receiving a score of 85 or more are noted in our catalog, Cert. at Storrs, E. Lansing or O.V.D.A. Other abbreviations are W. Va., West Virginia with Trial Ground at Fairmont. Award of Honor, Ga., awarded by the Dahlia Society of Georgia at Atlanta.

Seedlings may be sent to the various Trial Grounds where they will be well grown, tested and scored. Fee for each variety is \$3.00 and three roots or plants of each are required. No entry fee has been charged by the Georgia Dahlia Society.

**Miss Elsie Jane****SEMI-CACTUS DAHLIAS—Cont'd**

MISS ELSIE JANE (Dahliadel 86C 85E), Bloom 6 x 4, Bush 5 ft. This variety is continuing to win on the exhibition table, especially in the basket and arrangement classes as it is just about the most artistically formed dahlia we have ever seen. In color, too, it is unique, being a shrimp pink with cream shadings at center and tipped violet rose, a fine and useful color combination. Blooms are uniform and by disbudding can easily be produced 6 x 4 inches in quantities from early until the end of the season. Certified at Storrs. We heartily recommend it for sheer beauty, floriferousness, long wiry stems, and usefulness.

Roots, .75; Plants, .50

MIRIAM HOPKINS (Cordes-Eastman 84E), 1936, Bloom 12 x 5, Bush 6 ft. A seedling of Amelia Earhart and quite similar in color although of a rather loose and shaggy formation. A real giant in size. Color, soft salmon pink with carmine suffusion. Tall, robust bushes.

Roots, \$1.50; Plants, .75

REICHARDT'S MASTERPIECE (Reichardt 82C), Bloom 7 x 3, Bush 3 ft. Clear canary yellow with soft lilac shadings toward the tips. Although the centers are not always full, the stems are strong and erect and it is a good grower.

.75

Potash-Fed Dahlias

The Dahlia in its conquest for popularity is spreading its scope of usefulness in the show room and in the garden now that varieties are available which are easier to grow, produce more flowers over a longer period, and are less temperamental in adverse weather conditions.

"Potash Fed Dahlias" is not only an established trade name, but a modern and successful method of growing dahlias so that they are literally alive with energy, assuring you of success. In South Jersey with its long growing season, well ripened stock can be produced that will give the best possible results. We have found that dahlias grown in light soil for a period of from one to three years will do wonderfully well when moved to heavier soil conditions with no time lost for acclimation.

Most important of all is the health of stock from which your plants or roots were grown. This condition has its direct effect on the results obtained; for an unhealthy plant cannot take up potash, or any other element of plant food, in sufficient quantities while in this condition. Hence, a dahlia must be healthy first before it can be **Potash-Fed**.

SCORING DAHLIAS

To simplify classification to size and use of the dahlia, we have scored all varieties grown at Dahliadel Nurseries according to our new score card found on page 35 and used the letter S for small dahlias normally growing 3½ to 4" or less, classified as miniatures; C for cut flowers or medium size blooms growing normally from 4" to 7" or 8", and E for exhibition blooms of over 7". Therefore, if a variety is useful as a commercial cut flower and also can be grown to large size for exhibition it will be scored twice for example, 84C, 86E, meaning that it is a very good cut flower but is still better for exhibition.

Commercial varieties growing under 7" in most cases are very desirable for basket work in dahlia shows and are suitable for exhibition in the medium or commercial class designated as Class B, in dahlia shows using the new A.D.S. Classification. E (exhibition varieties) designated as Class A, are winners on the exhibition table, having qualities that score high in competitive judging, with size, form, stem and color predominating. The size of bloom is indicated in inches and height of bush in feet.

This catalog goes into forty foreign countries, and we have shipped Potash-Fed Dahlias into nineteen of these where they have made a host of friends.

PRICE VS. QUALITY

There are dahlias offered at lower prices than ours and we realize it is a temptation to buy at as low a figure as possible, as you want to get as much as you can for your money; but to have 100% success, you must have the best stock that can be produced. Buying inferior stock at low cost is not an economical way to buy and seldom is the way to success.



DAHLIADEL NURSERIES

SEMI-CACTUS or INFORMAL DECORATIVE DAHLIAS

COLOR SERGEANT, Bloom 10 x 4, Bush 5 ft. Rich deep salmon bronze of one shade. .50

DIXIE RAVENSCROFT (Seal 83E), Bloom 10 x 5, Bush 3½ ft. The face of this attractive dahlia shows a bright, russet orange while the reverse is lemon yellow. The blooms are large and deep on fairly strong, graceful stems. Its distinctive color makes it very showy. The bushes are robust and quick growing. .50

JOSEPHINE G. (Grosscross 83C), Bloom 8 x 4, Bush 4½ ft. Color is a very pleasing true rose pink of a bright shade, some petals tipped yellow. It makes a wonderful, sturdy bush, with flowers held well above the dense foliage. It is a prolific bloomer. It is a Semi-Cactus early and Informal Decorative at the end of the season. A. D. S. Cert. .35

KENTUCKY DAWN (White D. G. 86E), 1938, Bloom 11 x 8, Bush 6 ft. A very fine addition to the dahlia family. This variety for us blooms from mid season on and should be disbudded accordingly for early blooms. Grows rugged and large without forcing on long strong stems. Soft golden buff with light peach suffusion and reverse of rose with peach pencilings. Award of Honor, Ga.

Roots, \$7.50; Plants, \$2.50

KILGORE'S KING (Kilgore's D. G. 85E), 1938, Bloom 12 x 5, Bush 6 ft. A strong-growing rugged, variety on cane stems that is large and massive with long pointed petals. A dahlia that should stand a lot of adverse conditions and still be good. Color, flesh at center with outer petals gold. Plants, \$1.00

MICHIGAN WHITE (Keiser 85E), 1938, Bloom 7 x 3, Bush 5 ft. May be described as an improved Star of Bethlehem with good substance. A fine white commercial with three Cert. of Merit, O.V.D.A., E. Lansing, 1936, Storrs, 1937, also an Award of Honor, Ga. A prolific bloomer. Plants, \$1.50

STAR OF BETHLEHEM (Nolet 83E), Bloom 8 x 4, Bush 4 ft. Inclined to the Semi-Cactus type with a high, full center. Pure white with numerous pointed petals. The dense, dark green foliage makes a beautiful plant and sets off the lovely, white blossoms, enhancing their waxy appearance.

Roots, .75; Plants, .50

TELEVISION (Straight-DahliaDel 85E), 1937, Bloom 12 x 5, Bush 5 ft. This Informal Decorative won an American Home Achievement Medal in both Cleveland and West Va., besides scoring 85 at Storrs and 86.5 at the West Va. Trial Grounds in 1935. In 1936 it won another Achievement Medal in West Va. and scored 85E at the Mid West Trial Grounds. Blooms are apricot suffused and shaded cardinal, giving a general tone of reddish apricot, very pleasing and uniform in color and form. One of the first to bloom with strong stems that hold flowers well out of the dark, leathery foliage.

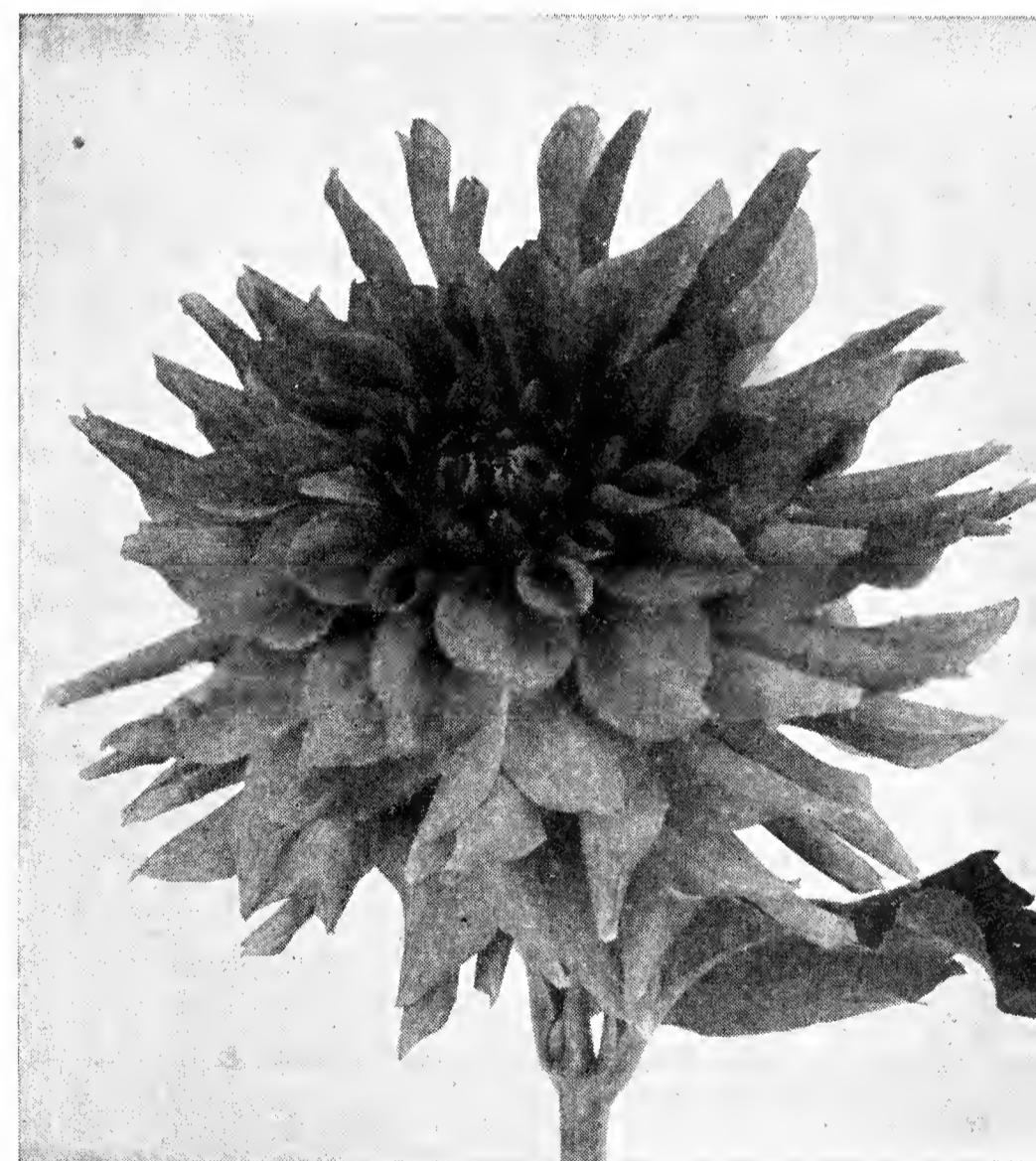
Roots, \$3.00; Plants, \$1.00

THE FIREMAN (Success 84E), Bloom 9 x 4, Bush 5 ft. Scarlet red with golden flushes and golden tips at center of flower, very bright and striking. Winner of a number of awards and prizes. Bush growth good and healthy, blooming from mid-season until frost.

Roots, .75; Plants, .50



Television



City of Cleveland

CITY OF CLEVELAND (Bissell 85E), Bloom 10 x 5, Bush 4½ ft. Worthy of a place in any garden as we found it a strong healthy grower, producing large uniform, well-formed blooms throughout the season. Flowers are of artistic form in a bright orange suffused scarlet. Very rich and attractive in appearance. Certified at Storrs. Roots, .75; Plants, .50



Opal (Informal Decorative)

OPAL (Berwick-Dahliadel 85E, 85C), 1937, Bloom 11 x 6, Bush 4½ ft. This variety won as Best Bloom in show at Atlanta, Ga., 1937 which shows its willingness to perform in the South. Size is a virtue when combined with artistic form and dainty coloring. There are few, if any, pastels that are as clear and beautiful a combination of soft salmon rose with lighter shadings and centers of light lemon yellow. The stems are strong and erect and hold the flowers well out of the foliage which is dark and glossy, adding to the delicate coloring of the bloom. A good keeper when cut and meets competition successfully on the show table. Scored 85E at E. Lansing. A wonderful propagator and good root maker.

Roots, \$2.00; Plants, .75

EVA HUNT (Hunt 85E), Bloom 10 x 5, Bush 5 ft. Waxy white with wide, heavy petals, with a texture almost like that of a lily. Centers are full and high. An unusual feature is the dark green foliage on a white dahlia which is a striking contrast. It is a good grower but a rather shy bloomer.

Roots, .75; Plants, .50

FORT MONMOUTH (Kemp 85E), Bloom 11 x 4, Bush 6½ ft. The predominating color is rich claret with brightness unusual in darker tones. Flowers are full-centered and well-formed, borne on long, stiff stems high above the foliage. A very prolific grower and bloomer. Still a winner on the show table and fine for cutting. Roots, .50; Plants, .50

GOLDEN BEAUTY (Silvernale 85E), 1938, Bloom 10 x 4, Bush 5 ft. A very artistic and interesting addition to our golden yellow dahlias, its nearest contender in color being Watchung Giant. Flowers are large, very artistic in formation with full, high centers. Stems very sturdy and well proportioned. Certified at Storrs.

Plants, \$1.00

GOOD NIGHT (Broomall 83E), Bloom 10 x 5, Bush 5 ft. One of the prettiest dark dahlias we have had the pleasure of growing. Good throughout the season. Color, garnet shaded maroon. Its faults are hard to find, which is saying a great deal, as it has size, form and stem as well as being an early and profuse bloomer.

Plants, .50

KENTUCKY SPORTSMAN (Whites D. G. 85E), 1937, Bloom 10 x 5, Bush 3 ft. This unusual bi-color or tri-color is lemon yellow at center, outer petals rich golden amber with old rose reverse, each petal evenly tipped pure white. Blooms of good form and substance from early to late held on erect stems. Achievement Medal winner.

Plants, \$2.00

ROSY MORN (Johnson 85E), 1938, Bloom 10 x 5, Bush 5 ft. Artistic form of pleasing deep rose pink. Winner of Achievement Medal in Baltimore 1937 and Futurity Medal in New York, 1938. Erect and well-proportioned stems. Produces quantities of attractive flowers naturally, which of course, may be controlled and improved by disbudding.

Roots, \$7.50; Plants, \$2.50



DAHLIADEL NURSERIES

INFORMAL DECORATIVE DAHLIAS—Continued

ANDREE BAYSSELLANCE (Ballego 85E), 1938, Bloom 9 x 6, Bush 6 ft. Rose red or crimson carmine shading buff at tips with buff reverse giving the appearance of a buff edge. Unusual color and pleasing in form. Cert. Storrs, '37. Stem, bush and flowering habits very good. Plants, \$2.00

BOSPHORUS (Ballay-Success 80E), Bloom 10 x 5, Bush 3 ft. Early in the season this variety is ragged and irregular. As the season advances it shapes up much better but is still crinkly on the edges of the petals. Color, scarlet tipped orange. Bush rugged and stocky. Cert. Storrs. .75

DERRILL W. HART, Bloom 9 x 3, Bush 6 ft. Deep orange or copper, shading to henna brown. .50

ELINOR M. RADELL, Bloom 8 x 4, Bush 5 ft. Violet rose with darker reverse and golden shadings. .50

MABEL S. DOUGLASS (Thompson 82E), Bloom 10 x 4, Bush 5½ ft. This dahlia is of artistic formation with long, curled, pointed petals. In color it is a beautiful pastel lavender. This dahlia will do well in heavy soil. It needs staking and can be disbudded according to Drawing X or Z. .50

MISS ENGLEWOOD (Daily 85E), Bloom 10 x 6, Bush 3 ft. Very artistic in form and attractive color. Oxblood red shading lighter with buff yellow on reverse of petals. Occasional self colored petaloïds with white streaks. A dahlia that is easy to grow, bushes are strong and rugged with good stems. Plants, \$1.00

MRS. GEORGE LE BOUTILLIER (Ruschmohr 85E), Bloom 11 x 5, Bush 5 ft. As an exhibition dahlia this variety does considerable winning and has been shown 14½ inches in diameter. It has given Murphy's Masterpiece plenty of competition as it is quite similar in form and also a red, but this one is described as a carmine red. Roots, \$1.00; Plants, .50

MURPHY'S MASTERPIECE (Murphy-Success 85E), Bloom 11 x 4, Bush 4 ft. The monster blooms of deep dark red shading toward crimson are held erect on stiff stems. It is a stocky grower and in all a very good dahlia. It is still winning in the red class and occasionally in the largest bloom class in some of our larger shows. Roots, \$1.50; Plants, .75

PALO ALTO (Ballay-Success 85E), Bloom 10 x 6, Bush 6 ft. Clear, soft apricot buff suffused coral red. Stems tall and straight. Flowers are of good substance with uniform, full centers. Certified at Storrs. A variety we can highly recommend. Roots, .75; Plants, .50

ROBERT L. RIPLEY (Salem D. G. 85E), 1937, Bloom 12 x 8, Bush 6 ft. This variety is without question one of the largest varieties grown. Color, soft Rhodamine purple with deep rose pink suffusion throughout. Stems are straight and strong. Flowers have good substance and keep wonderfully well. An unusual quality of this dahlia is that partly open blooms may be cut and will develop into full open flowers. Roots, \$5.00; Plants, \$2.00



Robert Emmet

ROBERT EMMET (Moroney-Dahliadel 85E), Bloom 10 x 6, Bush 5 ft. This wonderful exhibition variety is one of the most beautiful shades of red found in any dahlia, a velvety, cardinal red inclining to crimson. It is a perfect, open grower with sturdy, dark green, insect-resistant foliage. This dahlia produces great quantities of perfect blooms from mid-August until frost, stems stiff and long with flowers facing perfectly. Robert Emmet well grown and staged may be entered in a number of classes in any show. Certified at Storrs. Roots, .75; Plants, .50

WHITE DUCHESS (English 84E), Bloom 10 x 5, Bush 5 ft. A bold, white flower of large size, with a full, high center, facing upward, or partially so. Petals are broad and waved, giving the flower a very graceful appearance. Stems are strong and erect. A good grower. Roots, .75; Plants, .50

VISITORS ALWAYS WELCOME AT DAHLIADEL

During September and October over forty acres of dahlias in full bloom is a sight to behold and long remembered. We are always glad to have our friends stop in and enjoy the riot of color, or if you come before the fields are in full bloom a trip through the storage cellars and greenhouses, especially the air conditioned propagating house, is instructive and interesting. If you are coming from a distance next fall, let us send you suggested auto routes to Dahliadel.

Dahliadel Field Days afford us the opportunity of meeting hundreds of interested dahlia fans and renew the friendship of our customers. We appreciate your interest in our fields and display and will have an even better selection this fall. If you cannot visit us here we shall be glad to meet you at any of the Fall Flower Shows where we exhibit or judge.



Mother Maytrott (Informal Decorative)

MOTHER MAYTROTT (Berwick-Dahliadel 87E, 85C), 1937, Bloom 11 x 7, Bush 5½ ft. We are proud of such an artistic and beautiful dahlia with our family name and Mother Maytrott has far exceeded what we had hoped for. It is the white the dahlia world has long been waiting for, as it is not temperamental but a good grower with healthy dark foliage, strong erect stems, remarkable keeping qualities, and holds a perfect center throughout the season. One of the first to bloom and consistently profuse. We have reports of its excellent behavior all over the country and numerous winnings in the East as well as California, Oklahoma and Silver Cup for the best bloom in the show at Minneapolis, Minn. in 1938. The originator won an American Home Achievement Medal at Washington, D. C. and it scored 85E and 85C at Storrs, 1936, an Award of Honor, Ga., 1937, and Cert. O.V.D.A., 1938. Blooms arrange easily in baskets and vases for church and wedding decorations as well as exhibiting and it is a real pleasure to arrange them as they keep such an unusually long time. A variety you will be glad to own.

Roots, \$5.00; Plants, \$2.00

ALICE STELLICK, Bloom 8 x 5, Bush 6 ft. Crimson carmine striped white. Roots, .75; Plants, .50
ARELDA LLOYD (Smith 85C 86E), Bloom 10 x 6, Bush 5½ ft. Color, a clear lemon yellow with very

light rose suffusion on ends of petals. A yellow Jane Cowl, as form and bush are almost identical, but is in bloom earlier. Scored 87 at Storrs.

Roots, .75; Plants, .50

CHARMER (Lloyds D. G. 85E), 1936, Bloom 10 x 6, Bush 5½ ft. A clear golden buff, lightly overlaid with an apricot yellow suffusion, very little rose showing. It is hardly necessary to say that the bush growth, foliage, stems, etc., are very similar and fully equal to Jane Cowl while in color it is lighter and cleaner. Keeping qualities as a cut flower are exceptionally good. Cert. at Storrs.

Roots, \$1.00; Plants, .50

DUCHESS (Herzogen von Wuerttemberg) (85E), Bloom 10 x 6, Bush 4½ ft. Color, warm buff suffused apricot shading darker at center with a faint rosy cast over all, which is lighter and brighter than Jane Cowl, while it is nearer the Semi-Cactus in form. Bush growth, stem, form and size are satisfactory.

Plants, \$1.00

JANE COWL (Downs 84C 86E), Bloom 10 x 6, Bush 5½ ft. This wonderful dahlia has been a success wherever grown. Color, a warm buff and old gold, blending to apricot and rose at the center. Bush growth is ideal with strong stems holding the giant flowers upright. A dahlia that is sure to please you for it is large and impressive. A. D. S. Certificate.

Roots, .35; Plants, .35



DAHLIA DEL NURSERIES

INFORMAL DECORATIVE DAHLIAS—Continued

ADIRONDACK SUNSET (Cackener-Parkway D. G. 85E), Bloom 9 x 5, Bush 5 ft. Color scarlet red with golden tips and reverse. Center of the flower is tipped golden orange. The petals are long and broad, forming a high center. Good growing habits. A very attractive and showy variety.

Roots, \$1.00; Plants, .50

AMERICAN LEGION (American D. F. 85E), Bloom 10 x 6, Bush 5½ ft. After careful selection of stock for a number of years this variety is doing so well in our fields that we are offering it for those who have admired this dahlia in the past as we have and have been unable to grow it. Color, clear light lemon yellow. A flower that will stand good culture.

Roots, \$1.00; Plants, .50

AMERICA'S SWEETHEART (Salem D. G. 85E), Bloom 11 x 6, Bush 3 ft. We still have three yellow Exhibition Decorative dahlias dominating our shows. They are Lord of Autumn, California Idol and America's Sweetheart with American Legion winning occasionally. In different sections of the country they change as favorites so it is hard to acclaim or condemn when those reading this catalog encircle the globe. This variety is pale lemon yellow of good form with the petals double serrated, curled and twisted in an artistic manner.

Roots, \$1.50; Plants, .50

BAGDAD (Redfern 83E), Bloom 10 x 4, Bush 6 ft. This dahlia has been very satisfactory for us. It is a beautiful, brilliant scarlet flame of wonderful size. Good bush growth and a good bloomer. The long stems hold blooms high above the bush. .50

CLARA BARTON (Salem D. G. 83E), Bloom 10 x 5, Bush 5 ft. Massive blooms face slightly upward on long, straight stems. The face of the petal is silvery orchid with the reverse of deep lavender, giving a general effect of lavender. A very prolific bloomer and one we can well recommend. .50

EAGLE ROCK FANTASY, Bloom 11 x 5, Bush 6 ft. Violet rose with silver shadings. Plants, .50

H. R. S., Bloom 11 x 6, Bush 6 ft. Beautiful golden yellow. .50

HUNT'S VELVET WONDER (Hunt-Burnett Bros. 85E), Bloom 10 x 6, Bush 5½ ft. Winner of an American Home Achievement Medal in New York. The attractive broad petaled blooms are huge and have good, full centers and great depth. The flowers of deep rosy magenta blending into a true purple are well proportioned but set rather close to the large, dark foliage. Roots, \$1.00; Plants, .50

JIMMIE FOXX (Johnson 84E), 1937, Bloom 11 x 7, Bush 6 ft. We understand this dahlia can be grown to 13 inches. It has a cane stiff stem and is a giant in bush and foliage as well. The color of coppery red suffused and tinged henna is unusual. Winner of an American Home Achievement Medal and Derrill W. Hart Memorial Medal at New York along with other winnings at Philadelphia and Burholme. Roots, \$5.00; Plants, \$1.50



Lord of Autumn

LORD OF AUTUMN (Almy 88E), Bloom 12 x 6, Bush 5½ ft. This dahlia has made a host of friends and we recommend it highly as it dominates the yellow classes in the showroom. It is a wonderful grower with clean, glossy foliage, stems strong and erect. The lemon yellow flowers attain a wonderful size and depth, and the long, pointed and twisting petals with beautiful center formation remind one of a large exhibition chrysanthemum. Highly recommended as one of the best exhibition varieties.

Roots, \$1.50; Plants, .50

LA FIESTA (Cordes-Eastman 84E), Bloom 12 x 5, Bush 5 ft. Deep sulphur yellow penciled coral red. There are interesting color variations in this dahlia. Out of the ordinary. At times the red blends with the yellow, giving almost a salmon pink effect. The lacy petals curl and twist, giving the flower the appearance of a chrysanthemum. Huge blooms are held well above the foliage on quite good stems.

Roots, .75; Plants, .50

PACIFIC SPLENDOR (Ballay 85E), 1937, Bloom 9 x 5, Bush 4½ ft. A very artistic, well-formed bloom with long pointed and twisted petals. Color a delicate lavender pink shading to white at center. A true pastel that is appealing. Has been certified at E. Lansing, W. Va., and scored 88 at O.V.D.A., 1936. Bush rugged and healthy, stems long and erect.

Plants, \$1.50

PREMIER'S MAJESTIC (Premier D. G. 85E), 1938, Bloom 11 x 5½, Bush 5 ft. We all miss some of the really good varieties their introductory year. This variety is an attractive combination of salmon gold and mulberry, on cane-like stems. A profuse bloomer and bush is rugged and healthy. Cert. at Storrs and Fairmont, W. Va., 1937, E. Lansing and Berkeley, Calif., 1938, where it was considered very fine.

Plants, \$2.50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration

**Katie K.**

INFORMAL DECORATIVE DAHLIAS—Continued

KATIE K (Lakeside D. G. 86E), 1938, Bloom 11 x 6, Bush 5 ft. A giant but beautiful soft violet rose with lighter veinings. An open grower with good stiff stems and very prolific. It was real outstanding and Cert. at Storrs and E. Lansing, 1937. Won a number of prizes and much favorable comment the past season. Blooms are quite similar to Kathleen Norris in color but bush growth seems to be much stronger and less temperamental.

Roots, \$5.00; Plants, \$1.50

ANDREA ERICSON (F. & M. 85E), Bloom 9 x 4, Bush 4 1/2 ft. It is about the best all around moderately priced white we have. It is very pleasing in form. Blooms are held on excellent stems. It enjoys a very successful record in the white class, on the show table. In hot weather, however, this dahlia needs partial shading to be grown to exhibition perfection.

Roots, .75; Plants, .50

CHEROKEE ROSE (Ricks-Dahliadel 85E), 1937 Bloom 9 x 5, Bush 6 ft. An origination from Atlanta, Ga., which does very well in the South and has proved its worth as a cut flower. A seedling of Jersey's Beauty but a decided change in color which is a beautiful shade of lilac pink shaded deep rose pink. The color reproduction on the back cover gives you the general effect but the flower is brighter, more lively in tone. It has all its parent's good qualities, including long, erect stems, branches better, and is a more profuse bloomer producing quantities of full-centered flowers from the beginning of the season until frost. Keeps exceptionally well in water or on the bush, is a quick easy grower and scored 86E at the O.V.D.A. Trial Grounds.

Roots, \$3.00; Plants, \$1.00

CLARA CARDER (Kemp 84E), Bloom 10 x 4, Bush 4 1/2 ft. A dahlia that grows naturally large with petals unusually twisted or cupped. Color soft Cyclamen pink, a true pastel tone. Strong growing variety with good stems. Roots, \$1.00; Plants, .50

DEAN ANDERSON (Mad River Gdns. 86E), Bloom 10 x 6, Bush 4 1/2 ft. This dahlia is outstanding for its color, being a radiant coral red suffused peach red with henna or burnt orange shadings. Petals are large and massive with the flowers held well above the foliage on well-proportioned stems. Foliage rugged and insect-resistant making it a very desirable variety.

Plants, \$1.50

DOROTHY DUKE, Bloom 6 x 3, Bush 5 ft. Clear violet rose or orchid. Suitable for cutting .35

GOLDEN PRINCE (Weiss 85E), Bloom 10 x 5, Bush 5 ft. A strong grower and a real sensation in producing blooms, coming to us from Australia. A seedling, we understand, of Jane Cowl. Can be grown over 12 inches. Color, a rich gold, blended peach, general effect being bronze with gold center. This variety comes into bloom much earlier than Jane Cowl and should be good in the North. It also does very well as far South as Atlanta, Ga.

Roots, \$2.00; Plants, .75

GRACE CURLING (Stredwick 83E), Bloom 8 x 3, Bush 4 1/2 ft. A charming flower of bright lilac with a trace of white at the base of petals, which are cleft, adding interest to the form. It is suitable for exhibiting, especially in basket arrangements, and is attractive in the garden.

.50

MARGRACE (Bissell 85E), 1936, Bloom 10 x 5, Bush 5 ft. Won in the seedling class at Cleveland as well as Sweepstakes for the best seedling. This dahlia is unusual in color and unique in form with good high centers. It is a bright cardinal with a tan reverse. Really excellent stems, strong and heavy. Certified at Storrs and E. Lansing also an Award of Honor, Ga., 1937. Roots, \$1.50; Plants, .75

RAY WARNER (Peacock 84C), Bloom 8 x 5, Bush 4 ft. Can you imagine an Informal Decorative with long, pointed and twisted petals, on good stems, with low-branching bushes that need very little tying up, in a pink at least two shades brighter than Jersey's Beauty? Centers always full, very early to bloom and a mass of color whether disbudded or not. Although a favorite it is not a very good root maker.

Roots, \$1.00; Plants, .50

SHAHRAZAD, Bloom 9 x 4, Bush 6 ft. Soft Tyrian rose or on Rideway's chart, Rose color. .50

THE LEMONADE, Bloom 9 x 4, Bush 5 ft. Clear sulphur yellow. Good habit of growth. .50

WATCHUNG GIANT (Smith 85E), 1937, Bloom 11 x 6, Bush 6 ft. A dahlia for the largest bloom class of deep amber yellow suffused orange cadmium which reminds us of Dahliadel Gold. It is a good strong growing variety with many winnings to its credit and a very satisfactory grower.

Roots, \$5.00; Plants, \$2.00

WHITE WONDER (Black-Kemp 84E), Bloom 10 x 6, Bush 5 1/2 ft. The giant blooms are pure white with long, pointed, twisted and curled petals, giving the flower a light, fluffy appearance. Although joints are rather short and disbudding necessary, the bush is a strong, vigorous grower, branching low. A very good root maker.

Roots, .50; Plants, .50



DAHLIADEL NURSERIES

INFORMAL DECORATIVE DAHLIAS—Continued

ADOLF MAYER (Topsvoort-Mad River), 1938, Bloom 9 x 4, Bush 5 ft. Although listed as a Semi-Cactus abroad, it is more apt to qualify as an Informal Decorative. Purple garnet nearly black, the darkest dahlia we are offering and we can recommend it to those desiring a black red dahlia. Keeps well when cut. Plants, \$1.00

CALIFORNIA ROSE, Bloom 10 x 5, Bush 5½ ft. Deep rose pink. .75

MARMION, Bloom 10 x 4, Bush 6 ft. Pure primrose yellow with bronze center. .50

MILTON J. CROSS (Johnson 85E), 1936, Bloom 10 x 6, Bush 5 ft. This variety won three Achievement Medals in 1935 and has shown up in a number of recent shows. Center of flower is a clear light lemon yellow shaded rose and coral on outer petals. Blooms are not only large but deep as well and very full at center. Roots, \$2.00; Plants, .75

MYRA HOWARD (Glutzbeck-Dahliadel 84E), Bloom 10 x 7, Bush 5½ ft. A glowing combination of yellow cadmium and gold with tints of salmon, the entire effect being ochreous orange. Throughout the deep flower are petaloids, which give it distinction. A wonderful plant and a thrifty grower, producing giant blooms freely on long, strong stems. Certified at Storrs, Conn., and has won many prizes. Reports from customers indicate this dahlia behaves wonderfully well in the various climates from North to South. .50

PEACE (Creekside D. G. 85E), 1937, Bloom 10 x 6, Bush 4 ft. Pure white with good substance, more Formal than Mother Maytrott and not as deep in formation. Stems strong and erect and bush is healthy and rugged. Award of Honor, Ga., 1937. Plants \$1.50

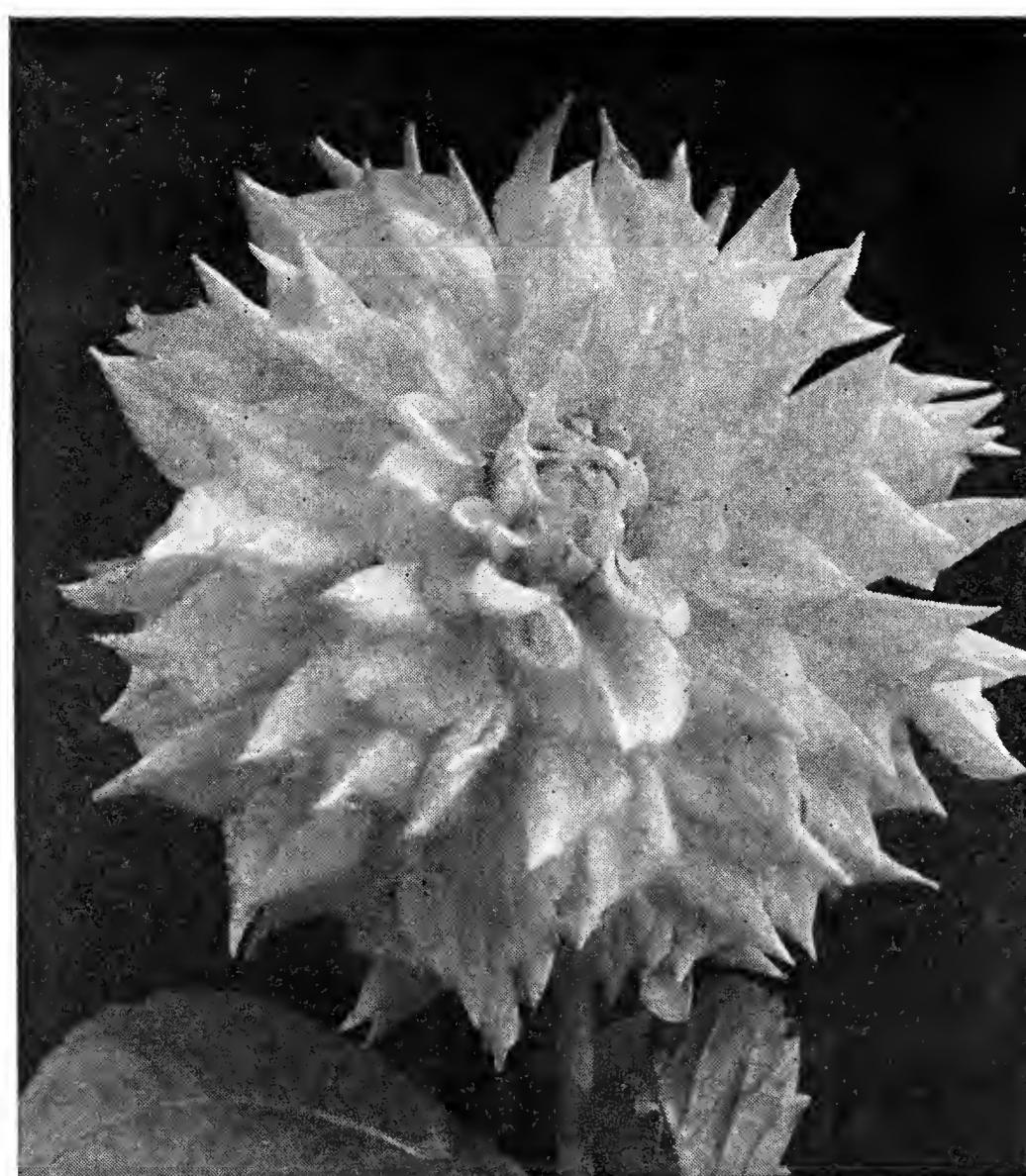
PRINCE OF PERSIA (Newsom 82E), Bloom 10 x 6, Bush 6 ft. A very striking bright red exhibition dahlia of the most iridescent, rich, glowing cardinal. The petals are of great depth and substance, making an unusually deep, attractive flower. Bush is vigorous and robust. Not a real early bloomer. .50

THE UNIVERSE (Dahliadel 85E), Bloom 10 x 5, Bush 3½ ft. A seedling of The World, a bright garnet richer in tone without silver shadings. This variety has been doing considerable winning in our big shows. Centers are always full throughout the season. Stems erect and bush growth good. This variety can be especially recommended where seasons are short, as it develops very quickly and blooms early. Roots, \$1.50; Plants, .75

WHITE ABUNDANCE (Ballego 85E), Bloom 10 x 5, Bush 6 ft. This dahlia does well for us and we can heartily recommend it. Flowers of beautiful waxy white are held well out of the foliage on strong, erect stems. Fine for cutting and exhibiting, especially for baskets and also a good florist flower. Roots, \$1.00; Plants, .50

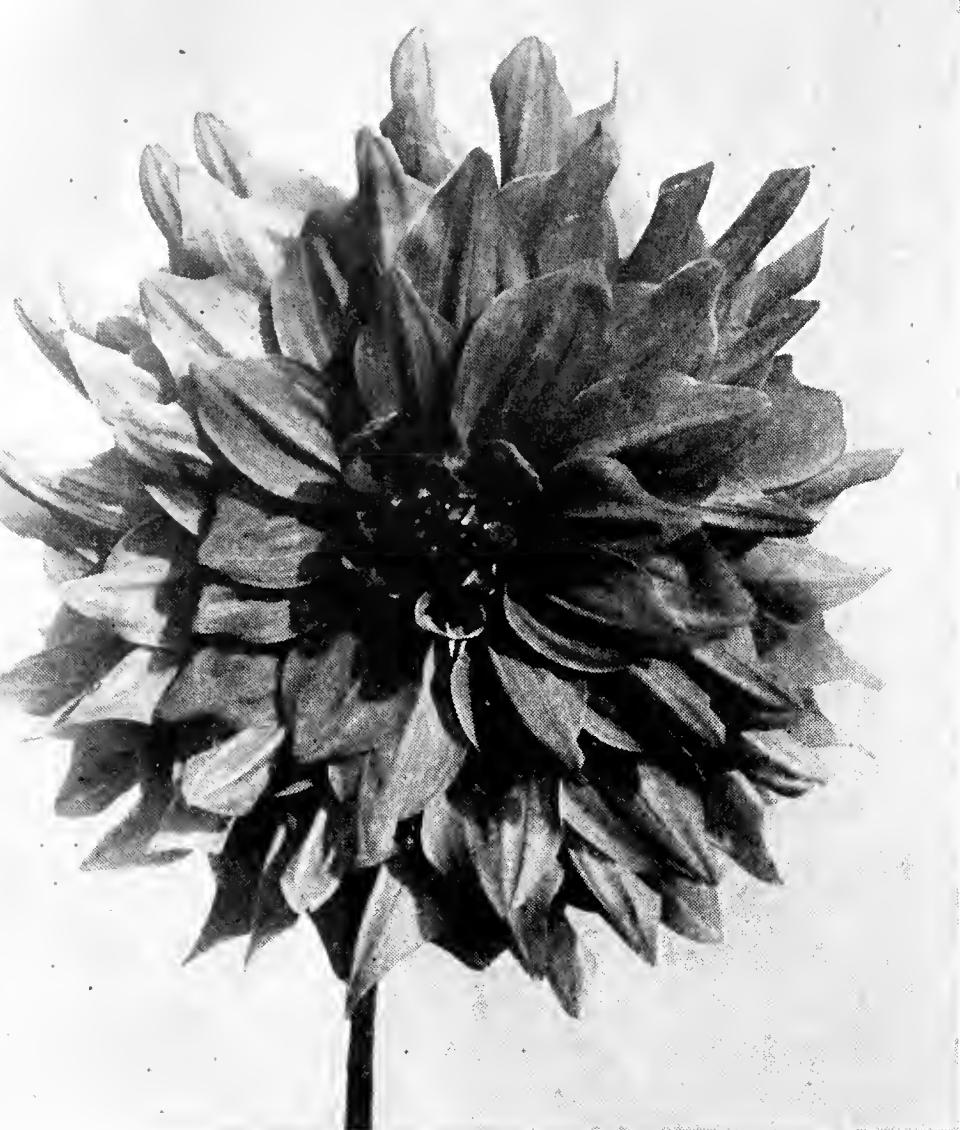


The Universe



California Idol

CALIFORNIA IDOL (Ballay-Success 86E), Bloom 12 x 7, Bush 4½ ft. Clear lemon yellow. A dahlia that is comparable to Lord of Autumn, not as Informal, but producing blooms usually facing mostly upwards. It is very deep with full high centers. This variety can be highly recommended quite universally for the largest bloom class or best yellow in any show. Roots, \$1.50; Plants, .75

**Anna Benedict**

INFORMAL DECORATIVE DAHLIAS—Continued

ANNA BENEDICT (Benedict-Dahliadel 85E), **Bloom 9 x 5; Bush 5½ ft.** This variety is the most satisfactory dark red we have grown. First, the stems are always good even in wet weather. Second, the centers are always full even at the end of the season. Third, the color will stand full sunshine and not fade. Fourth, the substance will carry the blooms through a good rain and windstorm without battering. Lastly the bush and foliage make a picture of health and vigor. The color is a rich, deep garnet with black shadings at the center of the bloom. Certified at Storrs, with the high score of the year, of 86.6. We feel confident you will be more than pleased with it in the garden, home, or on the exhibition table. **Roots, \$1.00; Plants, .50**

DIRECTOR CARL G. DAHL (Hillcrest 85E), **1937, Bloom 12 x 6, Bush 5½ ft.** Graceful although of tremendous size of rather loose or open formation. The pointed petals curl slightly. Color, apricot buff shaded old rose on reverse of petals. Won the award as Best Bloom in the show at New York, 1937 and tying for second place on the 1938 Futurity shows its popularity and winnings. A good healthy grower that is not at all temperamental. **Plants, \$2.50**

DOROTHY STONE, **Bloom 9 x 4, Bush 4 ft.** Clear violet rose. Good grower. **.50**

DWIGHT W. MORROW (Dahliadel 84E), **Bloom 11 x 5, Bush 5 ft.** A gigantic rich crimson red dahlia that is admired by everyone. Its size, form, and richness of color makes it very spectacular. This dahlia likes reasonably heavy soil, but should not be forced or over-watered. Disbudding should not be done until terminal bud is about to show color, this will insure a good stem, especially in the South. **Roots, .75; Plants, .50**

FREDA GEORGE (Australia 85E), **Bloom 9 x 5, Bush 5 ft.** A very popular and pleasing variety that reminds us of Opal in color as it is a sulphur white tipped and suffused violet rose. It has strong, erect stems, with well proportioned healthy foliage. A very attractive dahlia in the pastel shades. **Plants, \$1.00**

GIRL OF HILLCREST (Scott-Kemp 83E), **Bloom 10 x 4, Bush 5 ft.** A variety that is easy to grow and keep roots over winter. Blooms early and continuously. Color is apricot buff or cadmium orange. A vigorous grower with long stems. **.50**

HARRIET HOCTOR, **Bloom 10 x 4, Bush 5 ft.** Bright mauve, magenta shadings, appearance purple. **.50**

INDIANA MOON (Martin 82E), **Bloom 11 x 5, Bush 6 ft.** A richly colored flower of soft cadmium orange with lines and suffusion of carmine. This huge dahlia is easy to grow as it is robust and healthy. The stems are strong and erect. **.50**

KATHLEEN NORRIS (F. & M. 85E), **Bloom 10 x 5, Bush 5½ ft.** This outstanding exhibition dahlia is a true rose pink, deepening to mallow pink, with central petals a lighter shade. Petals are broad and overlap each other. Blooms are held erect on long, strong stems. This dahlia to do its best should be planted between June 1 and 15th, or if planted early should be judiciously topped or pruned about the middle of July, with growing conditions as we have them in New Jersey. **Roots, .50; Plants, .50**

KEMP'S VIOLET WONDER (Kemp 84E), **Bloom 10 x 5, Bush 5 ft.** The predominating color of this fine dahlia is bright violet purple with faint bluish violet at tips of petals. Deep flowers of perfect form. Stems hold flowers well above the foliage. A truly outstanding variety. Keeping well when cut. Plant is a prolific bloomer, strong grower, not susceptible to insect injury. **Roots, .50; Plants, .50**

MAN O'WAR (Boone-Ruschmohr 85E), **Bloom 10 x 4, Bush 5½ ft.** This dahlia has made a good record for itself by scoring at Storrs and a number of other winnings. In form it is similar to the accompanying picture. Color is a rich dark carmine. Good foliage and good flowering habit. **Roots, \$1.00; Plants, .50**

MARGARET W. WILSON, **Bloom 9 x 4, Bush 4½ ft.** Creamy white with phlox pink reverse. **.35**

RUDOLF'S GIANT (Rudolf 86E), **1936, Bloom 12 x 7, Bush 4½ ft.** The flower, in addition to having size, has depth and the centers are tight and compact. It is a live buff with apricot and pink suffusions which gives a glowing effect. It holds full centers blooming from mid-season, has good stems and excellent foliage. Certified at Storrs. A real giant. **Roots, \$5.00; Plants, \$2.00**

SUNRAYS (Straight-Ruschmohr, 86E), **1938, Bloom 11 x 7, Bush 4½ ft.** A dahlia that is quite spectacular on the show table. Color, clear buff with apricot suffusion, with a rather distinct peach red on reverse of petals. This variety has quite a list of winnings. Cert. at W. Va. and E. Lansing, Achievement Medal at Rockville Center most perfect bloom in N. Y., 1938. **Roots, \$10.00; Plants, \$3.50**



DAHLIADEL NURSERIES

INFORMAL DECORATIVE DAHLIAS—Continued

CHAMPOEG, Bloom 9 x 4, Bush 5 ft. Canary yellow at center shading to soft rose red. .50

CLASSIC (Derring-Do 84E), Bloom 10 x 6, Bush 4 ft. This dahlia, although classed as an Informal is inclined to be Formal at times. Blooms are uniform, large and artistic on long, strong, erect stems. Flesh pink with lighter shadings. Cert. Storrs.

Plants, .50

IROQUOIS SUNBEAM, Bloom 9 x 4, Bush 5 ft. Orange buff suffused coral. .50

JIM BAXTER (Australian 84E), Bloom 11 x 5, Bush 4½ ft. A variety that will grow large on strong stems. Color, deep rose pink shading to deep phlox pink at center. Petals rather loose and twisted in formation. Roots, \$5.00; Plants, \$2.00

JUDGE SAMUEL SEABURY (Etherington 85E), Bloom 10 x 5, Bush 5 ft. This variety has won a number of prizes and will probably continue. It is uniform in color and form and should please those who like soft or pastel shades. Color, flesh or amaranth pink shading to creamy white at center. Foliage rugged, stems and substance good.

Roots, \$1.00; Plants, .50

MID WEST CHAMPION (American D. F. 84E), 1936, Bloom 10 x 6, Bush 4 ft. Brilliant violet rose with yellow shadings at base of petals. Plant growth and stems are ideal with heavy insect-resisting foliage. Certified at East Lansing and Storrs.

Roots, \$1.50; Plants, .50

MONMOUTH QUEEN (Kemp 84E), Bloom 10 x 5, Bush 5 ft. Full centered flowers of good size held facing on long, stiff stems. A wonderfully strong grower, bright green foliage, and a prolific bloomer. Color is a pleasing lemon yellow gradually passing to light primrose or cream yellow on back petals. An improved Queen of the Garden Beautiful.

Roots, .75; Plants, .50

POT O'GOLD (Chappaqua 83E), Bloom 9 x 5, Bush 4½ ft. A large, brilliant flower of clear yellow with numerous long, wavy petals which not only make it artistic and beautiful in form but give it great depth. Very free blooming and most satisfactory for us. Certified at Storrs. .50

PRIDE OF AUSTINBURG (Strassen 84E), Bloom 10 x 4, Bush 4½ ft. The unusual part of this dahlia is its color which is a soft apricot shading violet rose with a reverse shading of light purple. Blooms early on strong stems, centers full. Roots, \$1.50; Plants, .75

SANHICAN'S BLUEBIRD (F. & M. 80E), Bloom 7½ x 3½, Bush 4½ ft. A pleasing near to blue Decorative with outer petals of bright violet blue, while the center petals retain the violet tint. An attractive flower on wiry stems. .35

THE COMMODORE (Scott-Kemp 83E), Bloom 10 x 4, Bush 5 ft. A nice clean-growing, bright lemon yellow. Won Achievement Medal and A. D. S. Certificate. Petals large, centers full with flowers of loose and open formation. Bush is compact. Stems are of good length when disbudded. .50



Minnora

MINNORA (Berwick-Dahliadel 85E), 1936, Bloom 10 x 6, Bush 5 ft. This variety is good throughout the season. It is a very pleasing form and color with bush growth, stems and foliage ideal. In color it is a bright apricot suffused violet rose with a decided deep red suffusion on reverse of petals making an unusual but pleasing color combination different to other dahlias.

Roots, \$1.00; Plants, .50



1938 DAHLIA SHOWS

The A.D.S. Show was held in the Concourse Plaza Hotel in the Bronx, N. Y., with a fine array of colors and the quality up to standard. Fortunately the show was staged before the hurricane. We call attention to our exhibit which won the Gold Medal (see page 1), and called by many the finest display we had ever made. The 1939 A.D.S. Show will be held Sept. 26 and 27.

Camden still leads in its Seedling and Artistic Arrangement Classes. The elements treated them better and the quality was exceedingly high and competition keen. The Camden Dahlia and Horticultural Society will hold their 1939 show Sept. 29 and 30.

The D.S. of N. J., because of the hurricane held an informal show later among their members which was a great success and received much favorable comment.

Baltimore Dahlia Society moved to more spacious quarters and showed marked improvement over former years. Entries numbered over a thousand including a fine seedling class.

Scranton and Peekskill had most creditable shows with strong competition.

It was my privilege to judge at Richmond again which was the finest show they have ever staged.

Were it possible I would like to visit and judge more of these exhibits as the contacts made in this manner are most gratifying.



CULTURAL INSTRUCTIONS

The following directions are based upon years of experience and should be of value in solving some of your cultural problems. These suggestions should be changed to suit local requirements. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

SOIL PREPARATION

The dahlia will grow and produce excellent results in a wide range of soils, other conditions being favorable. It is not so much a matter of soil type as it is conditioning. To grow exhibition blooms to perfection, the nearer soil can be to ideal the better your results will be. Soil should contain enough clay to keep the fertility from leaching and also enough sand or stones to facilitate drainage. Fifty to sixty-five per cent sand is considered ideal.

The use of peat moss broadcast and mixed well into the top-soil without the use of coarser material in the sub-soil is an advantage on heavy soil to open it up and on light soil it will conserve moisture and hold fertility.

As soon as the soil can be worked in the spring, it may be further improved by a cover crop of oats and field peas. Or, better still, where winters are severe, sow rye in September or October. The green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. In New Jersey and farther south, rye can be sowed after digging roots. A cover crop will add organic matter, supply humus and further adjust soil conditions. If soil is poor, a top dressing of stable or chicken manure, after digging roots, in the fall or early winter will improve growth the following year. Chicken manure, however, should be used very sparingly.

A good time to work the soil, when no cover crop is planted, is about a month before planting, digging rather deep and thoroughly breaking up all lumps. Then rake the ground over about once a week to retain moisture.

DRAINAGE. The primary factor in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils a quantity of coarse coal ashes should be dug in and thoroughly mixed with the subsoil. Then coarse manure, straw, litter or peat moss should be mixed into the top-soil. The addition of a good quantity of coarse sand will help drainage and aeration wonderfully in compact or clayey soil.

For soggy soil we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers or any coarse material that will not rot, keeping it below spading depth, then fill in top with soil mixed with peat moss, sand or the part of ashes about the size of corn or a little larger. When using peat moss, to each bale, add 4 pounds of Pulverized Limestone. This will counteract any acidity generated by the peat moss.

See "Irrigation" for Tile Drainage System.

LIMING. As a rule, the dahlia does well in a neutral to reasonably acid soil. Liming not only neutralizes acid, but makes the natural humus in the soil available as well as loosening heavy soil. With this in mind, lime applied at the rate of 1 pound to 20 to 30 square feet is a safe practice on medium to heavy soil every 3 or 4 years.

FERTILIZER

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones most lacking.

Nitrogen stimulates the growth above ground, producing large bushes and flowers, but if used to excess the flowers will be soft, wilting readily, and the bushes will be overgrown and lower the vitality of the roots. Nitrogen is found naturally in humus (decomposed vegetable matter or manure). It can best be supplied in animal matter, such as bone meal, tankage or manure.

Phosphoric acid increases the root development, especially the lateral and fibrous roots, strengthens the plant growth and gives substance to the bush and flowers. It also aids in ripening the roots. This element is found in bone meal, tankage and acid phosphate, with a small amount available in manures.

Potash is the balancing agent for nitrogen and phosphoric acid. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished roots. This is found in wood ashes, muriate or sulphate of potash.

Fertilizer to be applied before planting. Scatter broadcast after spading and mix thoroughly into the top-soil to every 100 square feet of ground or to each 10 dahlia hills.

5 lbs. raw bone meal.

[10 lbs. Unleached wood ashes, or

[1 lb. Muriate or sulphate of potash, not both.

An additional 5 lbs. bone meal may be spaded in with or before the above application if ground is very poor.

Fertilizer or top dressing to be applied about August 15. Scatter broadcast over ground, not closer than 6 inches nor more than 18 inches from the stalk and rake in, to every 10 hills.

[1½ lbs. Raw bone flour, or

[3 lbs. Raw or steamed bone meal, not both

[1½ lbs. Animal tankage, or

[4 lbs. sheep manure, not both.

[5 lbs. Unleached wood ashes, or

[½ lb. Muriate or sulphate of potash, not both.

Manuring is not necessary, even in light soil, if the above formula is used, but an application of horse or cow manure or compost in the Fall is very good for soils lacking humus. This can be used as a top dressing for a cover crop, or dug in by shallow spading in the Fall to help decomposition, then spaded in deep about two weeks before planting.

Don't use nitrate of soda as a fertilizer. Don't try to grow exhibition blooms by forcing the life out of your stock with sheep or any other manure and expect your stock to do well for you the following year without balancing your plant food with phosphoric acid and potash. Exhibition blooms and good roots can be grown at the same time from green plants as well as from roots by following our cultural instructions.

PLANTING

WHERE TO PLANT. In selecting a location for dahlias, it is essential to have a free circulation of air for healthy plant growth and to prevent mildew. Dahlias need direct sunlight at least 3 or 4 hours, preferably 6 to 7 hours, each day and should not be



planted near large trees or dense shrubbery which would shade the plants and use moisture and plant-food.

WHEN TO PLANT. Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north, where hot Summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. Should the top growth be over 6 inches at time of planting out it would be well to top out, leaving preferably two nodes above the ground, see P on Drawing X. When green plants are grown in 2 to 2½-inch pots, as soon as a good root growth is developed they should be repotted in 3 to 4-inch pots and pinched out at time of re-potting.

HOW TO PLANT. When planting large flowering dahlias, the rows should be from 4 to 5 feet apart, or from 6 to 10 square feet should be allowed for each plant. A novel way to plant is to place your stakes 4 x 5 feet apart, and plant a root or plant at each side of the stake so that stalk will be about 2 inches from the stake. This will allow better air circulation and more room for cultivation. Varieties will not mix by growing them together and should one plant fail, there will be no blank spaces. However, care should be exercised in not planting a strong rapid grower at the same stake with a slow or dwarf growing variety. Bush heights should be about equal.

Do not plant roots or plants in or over hot manure or any quantity of compost. Although practiced by some, we do not recommend the use of any potato, dahlia fertilizer or bone meal in the hole directly under the dahlia root or plant, as there is too much danger of injuring the tender feed roots, but rather suggest a broadcast application, as recommended above after spading. The stunt in dahlia plants can often be traced to the burning of the feed roots caused by excessive chemical feeding.

ROOTS should be planted in trenches or holes, 4 inches deep in heavy soil and 6 inches deep in sandy soil, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor keep a furrow open between rows to facilitate drainage in wet weather.

GREEN PLANTS. After removing moss and paper pots from plants that have been shipped, moisten ball of dirt if partially dried, then plant them with the top of the ball of dirt about 3 inches below the ground level and cover the top of the ball of dirt

½ to 1 inch. In locations where there is danger of flooding or poor drainage, do not plant quite this deep. Water thoroughly once if ground is dry and then protect with open basket or open crate for a few days as a partial protection from the sun and wind, covering only when protection is needed. Then start cultivating. Fill in gradually as the plant develops. For cut worms, scatter poison bait the evening of planting. See "Cutworms."

Where dahlia plants are to be set in heavy soil it is advisable to at least prepare the hill by mixing sand or the medium coarse part of coal ashes into the ground where the plants are to be set. The dirt can be washed off the roots and the roots straightened out, which will, however, check the growth of the plant a week or more and we do not recommend this practice. Plants will make better bushes and clumps in heavy soil if hills are prepared, but it is not at all necessary in light soil.

It is best to set plants without pinching back to get feed roots started especially when they have been shipped a distance. After the plants have established themselves you can top back with safety.

Where dahlia plants are grown with only a reasonable amount of fertilizer and water they are apt to make more roots than when grown in the midst of plenty. To produce roots on plants use a balanced plant food, as recommended under **Fertilizer**, but not to excess, and water only when necessary to produce a good, healthy, but not soft growth. When setting plants the last of June for September blooms, we recommend disbudding, according to Drawings X, Y and Z. When planting a month earlier it will be necessary to cut the fast growing varieties back severely about six weeks before you want blooms, leaving about one-half the growth and not more than six laterals for the first blooms. Then disbuds these, as shown on Drawings X or Y, as soon as branches develop sufficiently. This cutting back will give the plant an oversupply of feed roots, which will start root production at once, giving you more mature roots in the fall.

In growing Dahliadel green plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

PINCHING OUT and DISBUDDING

PINCHING OUT is indicated on Drawing X and Y at P and P2, first and second pinching out, respectively. We recommend this system for most varieties. The smaller a plant is when pinched out, the quicker it will heal and branches develop.

Allow only one main stalk to grow (never more than two). Pinch out the crown or center above the second pair of leaves. The principle of taking out the center is to develop the eyes, which are located at the base of the leaves. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or branches on most varieties should be pinched back again, P2 unless they are short stemmed varieties. In that case, they should be side pruned as indicated at F in Drawing Y, leaving not more than one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with those above. These stems should bear the first four to six flowers.

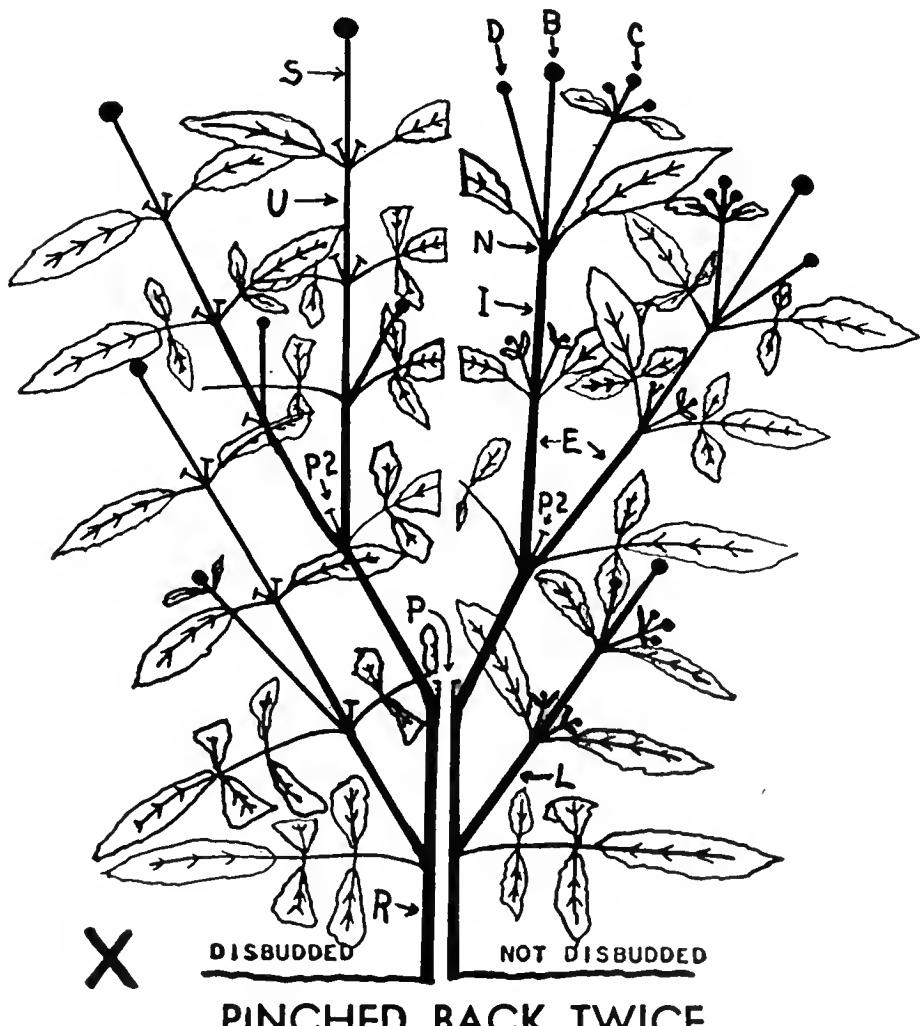


DISBUDDING, as indicated by T in drawings, is the pinching or rolling out of the small bud growing at the base of each leaf. These can be cut out with a pointed knife if they have developed considerably before disbudding.

When the terminal bud on each of these stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the branches which should be allowed to grow to form later flowers. Leave only one side shoot as shown in Drawing X or one to two shoots on Drawing Y, should you desire very large flowers. These new branches should be handled as the previous set as soon as they have developed sufficiently. All of the disbudded stem should be cut with the flower, when following X or Y. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop, also aiding in root development.

Should you fail to pinch out when plants are small, it will be necessary to use system shown on Drawing Z or exercise care with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. These openings can be stopped up with wax or plaster paris. Should water get into the stalk, slit the stalk just above the nodes with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of two weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circulation and sunlight. Without plenty of air and sunlight your blooms cannot be fully developed and your foliage will be easy prey to mildew.



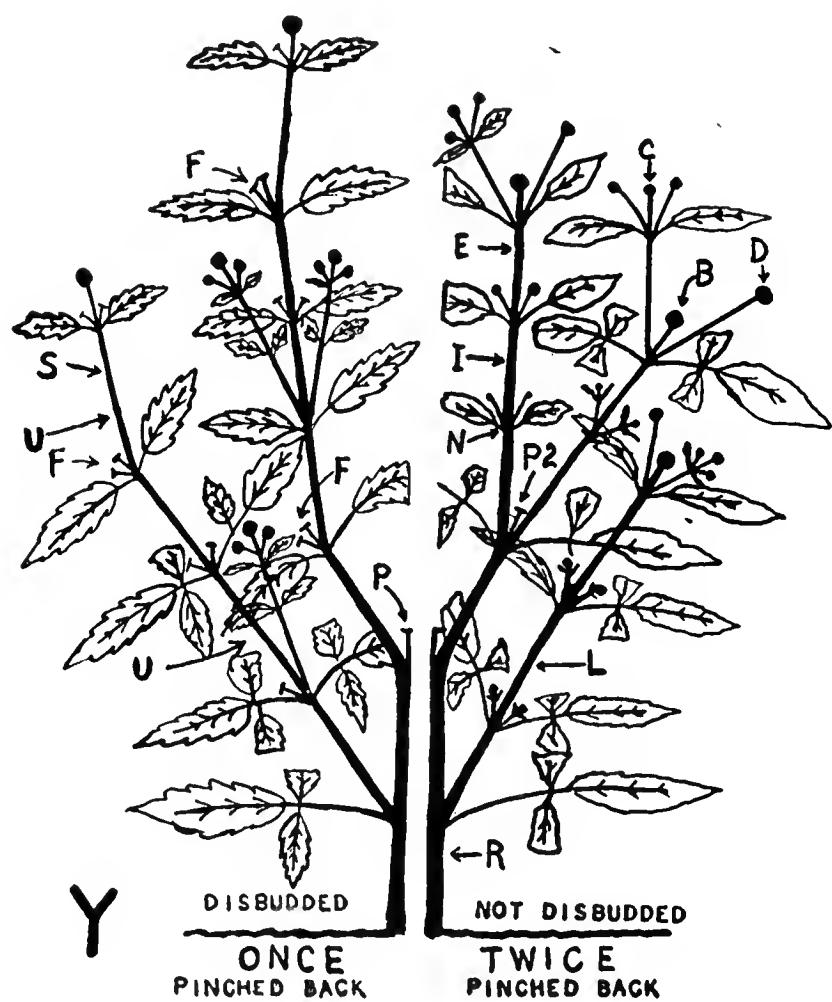
Drawing X is recommended for most large flowering varieties under normal growing conditions.

Pinching out once is best for varieties that branch readily, while pinching out twice will prove advisable on varieties that grow main branches rapidly and develop lower branches slowly.

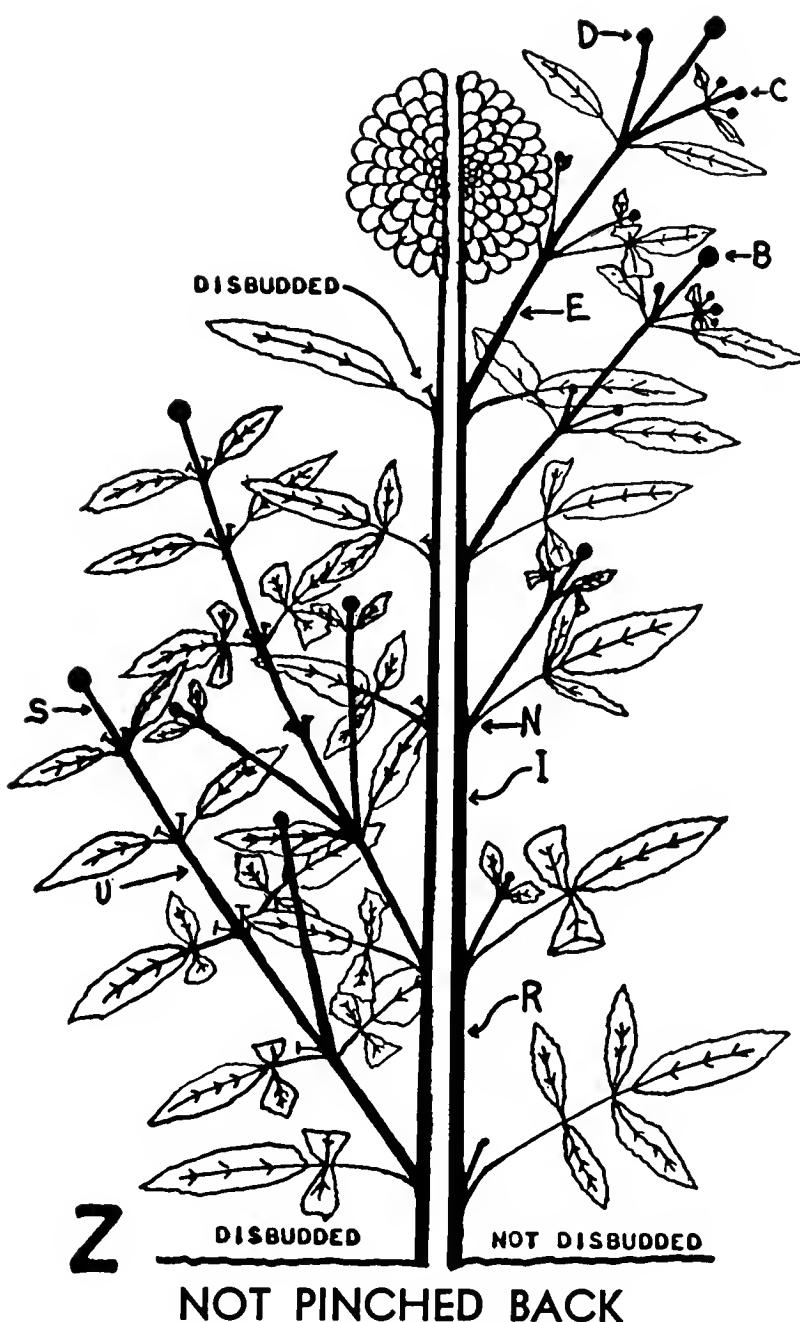
These drawings are made with the hope of making disbudding easier. The **left side** of each drawing shows half of the plant **disbudded**, while the **right side** shows the normal development of branches and buds on the same plant when **not disbudded**.

Key Letters to Drawing

- B Terminal Flower Bud
- C Secondary Terminal Bud
- D Lateral Bud
- E Branch
- F Side pruning, removing B and D
- I Internode
- L Lateral Branch
- N Node
- P Pinched out once
- P₂ Pinched out twice
- R Stalk
- S Stem
- T Where shoot or bud has been removed
- U Stem Stalk



Drawing Y differs from X in that it is for a variety that is known as a crotch bloomer, or for a variety with short stems where the flowers are often down in the foliage. This is easily handled by side pruning, as indicated at F, using the secondary terminal bud instead of the first terminal bud for your bloom. The **right side** of the drawing shows **natural growth** after pinching out twice, which is not desirable except for mass color in landscape effects.



Drawing Z is another system, which is recommended for some varieties but can be used for most dahlias (except crotch bloomers) should you desire to see one early bloom. Our reason for not recommending this is that dahlias are not at their best in the hot weather and this one bloom is not always up to expectation. Again, the right half shows normal branch and bud development when not disbudded, with most of the growth in the top of the plant. There are, however, a few varieties that need the mature foliage on the main stalk to keep the roots functioning properly, so when removing this crown bloom leave the central stalk and leaves on the plant but disbud the entire stalk, as shown on the left half of drawing.

Key Letters Used in Index

The key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed.

V Do not disbud. For early blooms pinch out once or twice as indicated on right side of Drawings X and Y. For later blooms, cut back to about 6 inches above ground 6 weeks before you want blooms when growing in light soils; in heavy soil allow 7 to 8 weeks. Always leave the side shoots or branches to come into bloom. This system works very well for the smaller type dahlias; such as, miniature, pompon, single, orchid flow-

ering, anemone, and collarette; also for the larger dahlias when grown for mass color and landscape effects.

W Cut back six weeks before you want bloom leaving about six small branches for your first six blooms and disbud as soon as laterals are large enough by following Drawing X, if stems are naturally long, and Y when stems are short.

X, Y, Z See Drawings.

IRRIGATION

When your dahlias need water, wet the ground so it will penetrate about a foot deep when growing in light soil. In heavy soil, watering need not be as heavy, as it may be followed by a rain and over-watering may result. Cultivate as soon as sufficient drainage has taken place, and do not water again until necessary, a good watering should last about a week.

Except as recommended below for insect control, do not spray your dahlia bushes, nor sprinkle the surface of the ground every night or so, for this will only pack the surface, preventing air circulation and causing the soil to crust and dry rapidly in the sunshine. This also draws the feed roots to the surface, to be sickened by the heat of the sun's rays. The flowers produced are soft and the root development very poor, low in vitality and hard to winter.

TILE DRAINAGE can be easily and inexpensively installed in heavy soil for irrigating in dry weather and afford drainage in wet weather. Arrange your rows of dahlias with the natural slope and where each row of dahlias is to be planted, dig a trench about 15 inches deep and place in it a row of porous drainage tile with a uniform fall toward the low end. Connect the rows of tile across at top and bottom (glazed sewer tile tees suggested), install a gate valve at the low corner, and pipe off so that the water will readily drain away. On the high corner of your garden, install a vertical tile stand pipe in which a float valve or hose can be used for filling. In wet weather, leave the gate valve open to drain. In dry weather, close the gate and run water in the stand pipe until you have given your dahlias a good drink by sub-irrigation. This system can be made still more efficient by filling in around the drainage tile with a coarse porous material, such as coarse ashes, or coarse sand, before filling level with regular garden soil. This installation will not be unsightly and last indefinitely.

Automatic overhead irrigation is the most satisfactory all-around system for light soils. It is ideal for the early growing season and we recommend its use in the middle of the day in bright sunshine during this period, as it will discourage thrips and leaf-hoppers and control red spider. If insects are bad we recommend sprinkling every two or three days from 1 to 1½ hours each time until insects are under control, then harden the plants off with less water and more cultivation. This will not only discourage insects but help the plants out-grow the insect injury. When bushes are well developed and buds breaking it is best to water after nightfall, less often and more thoroughly. Once a week should be sufficient in real dry weather.



CULTIVATION

By cultivating at least once a week, twice preferably in the early season, and as soon after rain or irrigating as the ground can be worked, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each cultivation, giving the plant a new supply of food and protecting the surface roots from the heat of the sun. Have the hills mounded 3 to 5 inches by middle of September. This will help support the stalks and protect the roots from freezing should an unexpected cold spell catch you before digging.

PESTS

THRIPS are tiny insects which in the nymph stage are less than $\frac{1}{8}$ of an inch long and a greenish gray color. They enter the growing leaf bud and chafe the newly formed leaves, injuring them so that they develop malformed and curled, also injuring the small flower buds and stems. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only debilitated by insect ravages.

LEAF-HOPPERS are larger than thrips and of a pale yellowish green color, a little over $\frac{1}{8}$ of an inch in length. They fly when the bush is touched during the heat of the day. These sucking insects do much to keep a plant from getting a good start.

APHIDS (plant lice) are soft-bodied, sucking insects which usually work on the under side of the leaves in groups, causing the leaves to curl. Thrips, leaf-hoppers and aphids are possible common carriers of virus diseases and should be kept in control for this reason, if for no other.

CONTROL. We recommend the following spray. For thrips and leaf-hoppers use 2/3 oz. (4 teaspoonfuls) of Pyrethrum Soap to 1 gallon of water, with the addition of Blanck Leaf 40 at the rate of 1 to 2 teaspoonfuls to the gallon of spray, according to the ability of different foliage to resist burn. This kills not only by asphyxiation, but also by the toxic action of the pyrethrum.

For plant lice use 2 teaspoonfuls Pyrethrum Soap to 1 gallon of water. Black Leaf 40 is not necessary.

For Japanese beetles and other hard-shelled insects, also red spider, use 8 teaspoonfuls Pyrethrum Soap to 1 gallon of water. Black Leaf 40 is not necessary.

Should a bush be infested with ants, spray bush and pour a few quarts of the Pyrethrum Soap spray Japanese beetle strength down the ant hill, or enough to fill the hill. This will do the dahlia no harm, but kill the ants.

Do not mix more than you are going to use the same day. This spraying can be done at any time of day regardless of weather conditions, except rain.

Another control of thrips, leaf-hoppers and aphids is dusting with a good 3% nicotine dust. Apply in sunshine with the temperature above 70 degrees at weekly intervals as a preventative from the time the plants are set or roots start to grow, and if any should appear then about every four days until they are controlled. For small plants a paper funnel on the end of the duster spout, held over the plant for about one minute when dusting, will increase the kill materially.

During windy weather when dust cannot be applied to advantage, overhead sprinklers used during the heat of the day will control red spider and check the leaf-hoppers and thrips. See "Irrigation."

By dusting or spraying before the presence of insects, it is doubtful if you will see any. As it is difficult to procure nicotine dust and pyrethrum soap in most localities, we are listing them under "Dahlia Growers' Supplies." Page 48.

RED SPIDER in late years has caused considerable damage to dahlias. This insect is barely discernible with the naked eye and works with such rapidity that you may have a row of dahlias today and within a few days or a week all the lower leaves will be as brown as cured tobacco leaves. There will be a very fine white web in evidence on the under side of the leaf. These insects multiply very fast in dry, hot weather, do not like strong air currents, and cannot stand cold water, especially applied with pressure. Syringing or spraying will help in their control. A spray of one level teaspoon of Colloidal Sulphur to one quart of water will be found very effective, and two sprays two or three days apart should clean up the infestation entirely.

CUT WORMS are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar (dissolved).

1 level teaspoonful of paris green mixed in.

Juice of an orange or equivalent in water.

1 quart of bran or enough to make a reasonably dry mash.

COMMON STEM BORER. This black-and-white striped worm when small enters the stem just above the ground and usually works upward. It will be noticed in the early season by the shortening of the internodes and later on by wilting. When noticed early, cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September. Wax or plaster paris may be used to close up top of plant after borer is out so water will not get in and rot the plant.

Should a plant be too large to cut back when borer is discovered, use pyrethrum soap at strength of 8 teaspoonfuls to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.



STUNT. In all our years of experience with dahlias, we have dug and destroyed all unhealthy stock, and the results are most gratifying. This is properly called rogueing. As there are a number of reasons why a plant should stunt, it is hard to tell the exact cause. However, we do know that rogueing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions:

First from the lowered vitality as a result of poor culture, lack of cultivation, etc., or forcing the stock with manure and water the previous season.

Second: The ravages of attacking insects, thrips, leaf-hoppers, red spiders, stem borers, etc.

Third: The rotting of the feed roots caused by chemical burn, too much water, where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug out and destroyed. Our many years of this practice leaves us less than 1 per cent to dig annually on most varieties.

MILDEW. Gray spots on the leaves sometimes covering the entire leaf are the result of the growth of fungus spores known as Mildew. This is a result of a condition—lowered vitality—caused by lack of or an oversupply of water, planting too close without proper air circulation, or extremes. These adverse growing conditions are conducive to Mildew.

Spray with plain Bordeaux Mixture as prescribed on package once a week, preferably before the spots appear.

CUT FLOWERS

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds of the large varieties, if not disbudded. Immediately put in water in a cool dark place to freshen for a few hours.

Hot Water Treatment—Cut and freshen as above, then put stems in 1 inch of water, almost boiling, for 1 to 2 minutes. Then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. If necessary to completely freshen flower, repeat this operation but cut off discolored end of stem before again placing in hot water.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING and STORING

After the first killing frost, cut off the tops at the ground and allow a few days for the stalks to bleed

out before digging. Care should be exercised so that the necks of the tuberous roots will not be broken. Loosen the roots by prying with a garden fork thrust in the ground about a foot from the crown, preferably all the way around, before attempting to remove clump. Two forks, if available are even better. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the roots. Dry in the sun a few hours, and your clumps are ready to store.

A root or white potato cellar is preferable with a temperature of 40 to 45 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a tight box in practically dry sand, ashes, or peat moss.

When packing in dry material, such as peat moss, care should be exercised, first, not to allow clumps to sit around and shrivel before packing away, but pack away the same day as dug if you are using dry peat moss as it comes from the bale. Second, do not use more peat moss than necessary to just barely cover each layer of clumps before putting in the next layer. The reason for this precaution is that all root crops sweat when taken into storage. The purpose of the peat moss is to absorb this sweat and conserve it for later on when the roots need it. Therefore, too much peat moss will cause your roots to dry out.

After the roots are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in equal parts of sulphur and ground gypsum, and pack them back again as before. Should the roots show signs of shriveling, place dampened peat moss over the top of the box to prevent further drying.

Dahlia roots air dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened, and not frosted.

DIVIDING CLUMPS

Dahlia clumps can best be divided with the aid of double cutting pruning shears and a pruning knife. Broken necks and fibrous roots should first be removed as the eyes are on the crown and never on the root proper. Then proceed to divide with shears or knife. Care should be exercised to have a piece of crown with an eye on each one or two roots. Clumps should never be planted without dividing.

WHEN TO DIVIDE. For the amateur in this latitude, clumps are better not divided until early April when the eyes should appear if crowns have kept well up to this time. Clumps can be divided in January and February but on early dividing it is not advisable to cut apart to single root divisions, but rather divide a clump into two to four pieces, dipping cut portions as recommended above and repacking as before, changing moisture content to correct either drying out or too much moisture which may have started eyes developing too rapidly.



Additional Cultural Instructions

POT ROOTS, as described on page 1 can be planted in the garden the same as you would a root division, or about the same depth as the bottom of the ball of dirt on a plant, or they can be potted in 3" or 4" pots in April and **one or two cuttings** taken. This will give you a branched plant for setting out in May for early blooms.

ROOTED CUTTINGS, should be ordered for delivery 15 to 20 days earlier than plants, and you should have a cold frame, sufficient 2 1/4" to 3" pots and suitable potting soil along with some knowledge of their care. We follow through the behavior of DahliaDel root divisions, pot roots, and green plants but on rooted cuttings we can only guarantee delivery in good condition because the care and attention given a plant from potting to hardening off for planting out is the making or breaking of the vitality of your stock, and this responsibility must be left in your tender care.

EUROPEAN CORN BORER. This is a serious pest when infestation is heavy. This borer when very small enters just above the leaf bracket and eats out the inside of the node, weakening it so the first storm snaps off the stem. All weeds, corn or dahlia stalks should be either destroyed or dug in before May 1st as a precaution.

The U. S. Dept. of Agriculture Bureau of Entomology and Plant Quarantine of Washington, D. C. has accomplished much in research and development of control methods, and will forward you bulletin on **Protection of Dahlias from Infestation by the European Corn Borer** on request.

The New Jersey Agricultural Experiment Station of New Brunswick, N. J. has issued a bulletin on **Protecting Dahlias from Corn Borer Injury** which will be mailed on request.

FOR CORN BORER DUST according to U. S. Dept. of Agriculture formula, see page 48.

INSECT CONTROL WITH A HOZE GUN, is as simple as watering your garden. We have found this cartridge spray method very effective in the greenhouse as well for the control of Thrips which is one of our most stubborn pests. A complete line of Insecticides and Fungicides is available, so practically all pests and fungus diseases can be controlled. It is the easiest way to spray of any method we have tried where a hose pressure of 35 lbs. or more is available. Full directions are supplied with each outfit. Descriptive pamphlet on request. See Hoze Gun listed page 48.

AMERICAN DAHLIA SOCIETY CLASSIFICATION OF DAHLIAS

DEFINITIONS

Involute, turned inward, forward, or towards the face of the ray.

Revolute, turned outward, backwards, or towards the back of the ray.

Diameter, meaning maximum width, without regard to depth.

A. Large. Flowers more than seven inches in diameter.

B. Medium. Flowers three and one-half to seven inches in diameter.

CLASS I. Single Dahlias: Open-centered flowers, with only one row of ray florets, with the margins flat or nearly so, regardless of number of florets. For example, Newport Wonder, Scarlet Century.

B. Mignon. The plants do not exceed about eighteen inches in height. For example, Coltness Gem.

CLASS II. Orchid-flowering Dahlias. Flowers as in Single Dahlias except that the rays are more or less tubular by the turning inward of their margins. For example, Everest, Leopard, Buttercup.

CLASS III. Anemone Dahlias: Open-centered flowers, with only one row of ray florets, regardless of form or number of the florets, with the tubular disc florets elongated, forming a pin-cushion effect. For example, Ada Finch.

CLASS IV. Collarette Dahlias: Open-centered flowers with only one row of ray florets, with the addition of one or more rows of petaloids, usually of a different color, forming a collar around the disc. For example, Erica, Sofa, Geant de Lyon, San Mateo Star.

CLASS V. Peony Dahlias: Open-centered flowers with two and not more than five rows of ray florets, regardless of form or number of florets, with or without the addition of smaller curled or twisted floral rays around the disc. For example DahliaDel Glory, Susan Coe. **A. Large B. Medium**.

CLASS VI. Star Dahlias: Open-centered flowers, usually two to five inches in diameter, with two or five rows of somewhat pointed rays, with more or less revolute margins. For example, Buckland Star, Leith Hill.

CLASS VII. Incurved Cactus Dahlias: Fully double flowers, with the margins of the majority of the floral rays revolute for one-half or more of their length and the rays tending to curve toward the center of the flower. For example, F. W. Fellows, American Triumph and Lilac Glory. **A. Large B. Medium**.

CLASS VIII. Straight Cactus Dahlias: Fully double flowers, with the margins of the majority of the floral rays revolute for one-half their length or more, the rays being straight or slightly recurved. For example, Ambassador, Miss Belgium, Golden Sonne. **A. Large B. Medium**.

CLASS IX. Semi-cactus Dahlias: Fully double flowers, with the margins of the majority of the floral rays revolute for less than half their length and the rays broad below. For example, Satan, Amelia Earhart, Miss Elsie Jane. **A. Large B. Medium**.

CLASS X. Formal Decorative Dahlias: Fully double flowers, with the margins of the floral rays slightly or not at all revolute, the rays generally broad, either pointed or rounded at tips, with outer rays tending to recurve and central rays tending to be cupped; all floral rays in a somewhat regular arrangement to the extent of having four or more recognizable rows of rays surrounding the center. For example, Jersey's Beauty, Buckeye Bride, Sagamore, Golden Eclipse, Treasure Island, Dr. John H. Carman. **A. Large B. Medium**.

CLASS XI. Informal Decorative Dahlias: Fully double flowers, with margins of floral rays slightly or not at all revolute, the rays generally long, twisted or pointed, and usually irregular in arrangement. For example, Fort Monmouth, Jane Cowl, Kathleen Norris, Lord of Autumn, Spotlight, Murphy's Masterpiece. **A. Large B. Medium**.

CLASS XII. Ball Dahlias: Fully double flowers, ball-shaped or slightly flattened, floral rays in spiral arrangement, blunt or rounded at tips and quilled or with markedly involute margins, the flowers more than three and a half inches in diameter. For example, Mary Helen, Jayseedee, Supt. Amrhyn, Mrs. C. D. Anderson.

CLASS XIII. Miniature Dahlias: All Dahlias which normally produce flowers that do not exceed three and one-half inches in diameter, pompons excluded, to be classified according to the foregoing definitions. For example, Little Jewel, Miniature Formal Decorative; Rhoda, Miniature Informal Decorative; Bishop of Landaff, Miniature Peony; Baby Royal, Miniature Semicactus; Teddy Johnson, Miniature Ball.

CLASS XIV. Pompon Dahlias: Having same characteristic as Ball Dahlias, but, for show purposes, not more than two inches in diameter. For example, Johnny, Nerissa, Little Edith, Bob White, Yellow Gem, Honey.



Golden Bounty (Formal Decorative)

GOLDEN BOUNTY (Chick-Dahliadel 86C 85E), **FD, 1938, Bloom 9 x 6, Bush 4 ft.** This was the most talked of dahlia in our Trial Grounds again this season. It is surely a most outstanding Formal Decorative of rich lemon yellow. Although this dahlia probably will not win in the largest bloom class against Lord of Autumn and California Idol it is so much easier to grow and gives you such a beautiful effect in the garden throughout the season it appeals to everyone. The blooms are so deep and complete they are almost identical in effect with huge yellow chrysanthemums. Has wonderful substance, perfect stems and one that can be depended on for the early shows as it is the first exhibition yellow in bloom and will have a wonderful chance as a yellow Formal Decorative. The foliage is a beautiful glossy green, almost like holly. Cut blooms arrange beautifully in large baskets and vases, besides being a real pleasure to grow.

**Purple Mist**

FORMAL DECORATIVE DAHLIAS—Continued

PURPLE MIST (Emmons-Ruschmohr 85E), 1937
Bloom 10 x 5½, Bush 5 ft. Described as a violet carmine but really more of a purple garnet not far from Thomas A. Edison in color. Stems are strong and straight. Foliage dark green. Well recommended especially for its keeping qualities. Winner of the American Home Achievement Medal at Cleveland. Certified at E. Lansing. **Roots, \$3.00; Plants, \$1.00**

COSSACK (DahliaDel 83C), **Bloom 7 x 5, Bush 5 ft.** A fine commercial red that we have been using for a number of years. Good stems and centers full throughout the season. A beautiful deep cardinal that is almost the shade of Dwight W. Morrow. A fine root maker. **.35**

EDWARD T. RINDFLEISCH (Rindfleisch 83E), **Bloom 9 x 5, Bush 4½ ft.** A bright scarlet. The imposing appearance is due mainly to the large, broad petals of the bright flowers held well above the foliage on strong, straight stems. Free bloomer. **.50**

EMANUEL'S BEAUTY, **Bloom 9 x 4, Bush 5 ft.** Lemon yellow with scarlet suffusion. **.50**

FORT WASHINGTON (Rindfleisch-Jost 82E), **Bloom 10 x 4, Bush 7 ft.** The bushes as well as the flowers are giants with long, strong stems. A dark amaranth red which does not fade. The long run of popularity is certainly a tribute to this variety. A midseason bloomer. **.35**

KATHERINE COLE (McDowell-Waite 83E), **Bloom 7 x 3½, Bush 5 ft.** A free-blooming variety with healthy foliage. Stems are long and strong. Cream, suffused light pink, and tipped lilac rose. **.50**

MARY ELLEN (Loller 84E), **Bloom 11 x 5, Bush 5½ ft.** Described as a seedling of Mrs. I de Ver Warner, with a similar habit of growth, which is a good recommendation. The color is a violet rose, with considerably more pink than lavender. Flowers attain wonderful exhibition size. Midseason bloomer. **.50**

MONMOUTH CHAMPION (Kemp 84E), **Bloom 11 x 4, Bush 5½ ft.** Popularity seems to stay with this variety. A vigorous grower, producing beautiful exhibition blooms of brilliant scarlet orange. Perfect stems and insect-resistant foliage. Still a consistent prize winner. **.50**

SULTAN OF HILLCREST (Scott 84E), **Bloom 11 x 6, Bush 3 ft.** The unique form with the petals recurving to the stem attracts one's attention. Huge blooms of lemon yellow with reverse of rosy pink on strong stems, giving an unusual color effect. A dahlia for the largest bloom class as it will stand force feeding. Certified at Storrs. **Roots, .75; Plants, .50**

THOMAS A. EDISON (DahliaDel 85E), **Bloom 9 x 4, Bush 4 ft.** This gorgeous dahlia is still a popular winner at the shows. In the garden it is impressive with its staghorn petal formation, the large, dark green, insect-resistant foliage, the cane-stiff stems, the thrifty growth, and greatest of all, its color. It may be described as a royal purple or petunia violet. A. D. S. Cert., Award of Merit, Holland. This dahlia is a slow grower and will, therefore, stand fairly good culture with safety, and should not be topped back, but handled according to Drawing Z. **Roots, .75; Plants, .50**

WHITE PROLIFIC (E. & M. Williams-DahliaDel 85C), 1936, **Bloom 6 x 4, Bush 4½ ft.** There are very few satisfactory commercial white dahlias. This variety is early, branches low and readily, grows quick giving a heavy crop of blooms which are of good form with full centers and tight backs. Stems are tough and erect. The petals are serrated which add to its attractiveness. **Roots, .75; Plants, .50**

YELLOW MARVEL (Petrie-Roxbury 85E), 1937, **Bloom 9 x 5, Bush 5 ft.** A very attractive dahlia in the garden as the color is a deep lemon yellow, petals evenly tipped white. Stems are long, erect and well-proportioned. Blooms are of very good substance. One you should enjoy growing. **Plants, \$1.00**



MEMBERSHIP NEW JERSEY AND A. D. S.

The Dahlia Society of New Jersey is now a branch of the American Dahlia Society. For your \$2.00 membership, the D. S. of N. J. offers you the right to exhibit and attend both our State and National Shows, as well as one vote in the A. D. S. election of officers and the A. D. S. Bulletin for one year. Should you not live in New Jersey a direct or active membership in the A. D. S. gives you two votes in election, admission to the National Show and the Bulletin for one year. These quarterly Bulletins are well worth the membership fee. Application blanks will be sent on request.



FORMAL DECORATIVE DAHLIAS—Continued

BALLEGO'S GLORY (Ballego 84C), Bloom $6\frac{1}{2}$ x 4, Bush 3½ ft. A much admired variety for its distinctive color, which is mahogany red with gold bordered petals. The shadings vary with weather conditions. Bush, medium height of rather compact growth. Early in bloom and good to the last. .35

DAHLIADEL GOLD (Dahliadel 85E), Bloom 11 x 5, Bush 4½ ft. Try this dahlia for the Formal Decorative class, as it grows large and massive naturally. When heavily fed or over-watered the flower is so heavy it may tip on its stem. However, when grown properly with plenty of phosphorus and potash, and the nitrogen withheld, it produces perfect exhibition blooms on good stems held well out of the foliage. Bush growth is robust with dark leathery foliage. Flowers, are beautiful in form and a pleasing color, deep golden yellow, suffused light coral red with darker shadings at center. Roots, \$1.00; Plants, .50

DARCY SAINSBURY (Australia 86E), Bloom 9 x 4, Bush 5 ft. This fine white or creamy white first attracted our attention in Richmond, Va., for a dahlia that stands the sun and heat at Richmond should be as good or better where weather is more favorable for dahlias. A fine white Formal inclined to the Informal but stems are strong and foliage well proportioned and rugged. Roots, \$2.50; Plants, \$1.00

FIRE BALL (Bissell 85E), 1937, Bloom 7 x 5, Bush 4½ ft. A true Formal red of even formation and a good shade of scarlet or cardinal red on erect stems. Foliage large, bright green and healthy. Certified at East Lansing and received an Award of Honor, Georgia. Roots, \$3.00; Plants, \$1.00

GRAF ZEPPELIN (Nolet 85C), Bloom 8 x 4, Bush 7 ft. This dahlia will stand out as a sentinel in your garden as it is the strongest and tallest growing dahlia we offer with the exception of Jack's Bean Stalk. The large white flowers are regular in formation with centers full. Stems are very long and erect. .50

JACK'S BEAN STALK (Dahliadel), Bloom 6 x 5, Bush 10 ft. This freak reminds one of Jersey's Beauty in form and color as it is a bright, pure rose pink. Blooms complete back to stem even more than Jersey's Beauty, making a ball. If you have a building you wish to screen or if you want to cut your blooms from a second story window, this dahlia can easily be grown 10 ft. and probably more with a little feeding. .50

JANE DIXON, Bloom 8 x 4½, Bush 4½ ft. Soft apricot buff, edged rose. .50

KENTUCKY SUN (Whites D. G. 86E), Bloom 7 x 5, Bush 5 ft. Although we have other yellow Formal Decorative dahlias this variety just seems to grow and produce quantities of large uniform blooms on strong stems well above the glossy green foliage. Withstands a lot of adverse conditions. Clear lemon. American Home Achievement Medal, Louisville, Ky. Roots, \$1.50; Plants, .50



Democracy

DEMOCRACY (Wiegand-Dahliadel 85E), Bloom 9 x 6, Bush 4 ft. This variety resembles huge chrysanthemums at a little distance. The lateral blooms face the side and might be called yellow Jersey's Beauties as they are a deep primrose yellow shaded golden yellow. This variety can be grown for exhibition on the central branches of the bush and as a cut flower on the side or lateral branches. Strange as it may seem, the central branches produce blooms facing nearly upward almost as deep as they are in diameter with the petals opening back to the stem. Strong, straight stems, full centers, healthy foliage, early and profuse bloomer. Certified at Storrs. Roots, \$1.00; Plants, .50

MARYLAND GLORY (Maryland D. G. 84C, 85E), Bloom 9 x 5, Bush 4 ft. A most satisfactory bloomer from early to late. Perfect blooms of Tyrian rose shaded crimson carmine are borne in profusion on good stems. An unusually distinctive color and popular variety. A fine strong grower. .50

QUEEN CITY (Peck 84C), Bloom 6 x 4, Bush 3½ ft. A dahlia that is good for cutting. Light cherry red, and although outer petals fade on older flowers, this variety can be cut half developed and will open in water. Roots, \$1.00; Plants, .50

ROCKLEY MOON (Taylor-Ruschmohr 83E), Bloom 9 x 4, Bush 6 ft. This light lemon yellow dahlia shades darker in the center and shows a trace of purple tint on the back. It is a sturdy grower, producing large blooms on strong stems. Certified at Storrs and East Lansing. .75

W. H. T. (McCarrol-Schling 84E), Bloom 9 x 5, Bush 6 ft. This pleasing variety is a shade not common in big dahlias, rich old rose or begonia rose with mauve shadings on the reverse of petals. It is a tall robust grower with strong stems. Petals are thick and of good substance, opening back to the stem. .50

**Red Salute**

FORMAL DECORATIVE DAHLIAS—Continued

RED SALUTE (Salem D. G. 85E), Bloom 9 x 6, Bush 5 ft. Heavy petals and leathery foliage as well as the bright cardinal red color place this variety in good standing as a red Formal. A rugged grower that will be grown by many. Stands as much adverse growing conditions as any dahlia we know of. An early and continuous bloomer.

Roots, \$7.50; Plants, \$2.50

BLUE RIVER (Salem D. G. 85E), Bloom 9 x 3, Bush 4 ft. A dahlia distinctive for its color of deep lilac or bluish mauve, the nearest to blue dahlia we have and the best of its color. Strong, erect stems hold uniformly large blooms well out of the foliage.

Roots, \$1.00; Plants, .50

DR. JOHN CARMAN, Bloom 10 x 5, Bush 5 ft. Tyrian rose, shaded silver. .35

FRANCIS LAROCCA (Rindfleisch 84C), Bloom 6 x 3, Bush 4 ft. Pale sulphur yellow, very satisfactory as a cut flower. Blooms profusely on good stems. Vigorous grower. .35

FRAZIER, Bloom 9 x 4, Bush 3 1/2 ft. Rich Oriental red, tipped yellow, with yellow at base of petals. 50

MISS OAKLAND (Oakleigh-Lakeside 85E), 1937, Bloom 9 x 5, Bush 4 1/2 ft. There are so few good white Formals suitable for exhibition that this variety certainly should be appreciated, especially as it is so decidedly even and uniform and a good clear white. Long erect stems with leathery, insect-resistant foliage. Certified at East Lansing and at Storrs.

Roots, \$3.00; Plants, \$1.00

MONA GOLD (Parker Hume D. G. 85E), Bloom 9 x 6, Bush 5 ft. Apricot yellow lightly suffused soft peach red with a general appearance of old gold. This variety holds a wonderful form from early in

the season until frost. Good keeping qualities, a profuse bloomer, excellent stems, and a strong grower make it useful for cutting as well as for exhibition. Certified at East Lansing.

Roots, \$1.00; Plants, .50

MONARCH OF THE EAST (Almy 85E), 1938, Bloom 10 x 5, Bush 5 ft. One of the most outstanding dahlias this Fall, winning third place on the 1938 House Beautiful Futurity. Should win in the largest bloom class as it grows easily 11 x 6 inches, is a light, yet rich, cadmium yellow shading lighter and the reverse of coral red. Excellent sturdy bush growth. Cert. at Storrs. Roots, \$7.50; Plants, \$2.50

MRS. I. DE VER WARNER (Marean 80E), Bloom 10 x 3, Bush 6 ft. The forerunner and parent of a number of our popular American dahlias which are characterized by sturdy, open-growing bushes, insect-resistant foliage, strong stems and full-centered blooms. Color, bright lilac rose. .25

OMAR KHAYYAM (Stout-Dahliadel 85E), Bloom 10 x 5, Bush 6 ft. This much admired dahlia received high score at Storrs in 1930. The unusual coloring is a Chinese red at the base of the petals, shading to a bright orange and tipped lighter, making a wonderful soft color effect. It is a tall, healthy grower, with strong foliage and a good root maker. .50

ROSEMARY (American D. F. 85E), 1938, Bloom 9 x 5, Bush 5 ft. Easily described as a sport of Treasure Island. Color, a clear phlox pink or lilac making it very desirable as a cut flower as well as a good variety to exhibit in the Lavender Formal Decorative Class. A strong rugged grower, free and early bloomer. Should be topped and pruned the same as Treasure Island. Roots, \$5.00; Plants, \$2.00

SANHICAN'S CAMEO (F. & M. 85E), Bloom 10 x 5, Bush 5 ft. A dahlia that is different in color. A coral-rose shaded mallow pink on reverse, with gold en sheen on face of petals, glowing beautifully under artificial light. Bush sturdy, stems long and erect. Blooms keep well for cutting and exhibiting. .50

TREASURE ISLAND (Dahliadel 85C 85E), Bloom 10 x 5, Bush 5 ft. One of our brightest autumn shade dahlias. Color, bright apricot with gold and rose suffusion and shadings. Bush growth is strong, branches readily from the ground, giving four-foot stems. It has been a wonderful success especially in a dry season which this variety withstands. Disbud for first eight blooms according to Drawing Y, for the balance of the season according to Drawing X. This will bring the bush up to about five feet and the side branches will come to about the same height. This dahlia is still a winner in the Formal Decorative Classes. Very desirable when not disbudded for a mass of color in landscape work.

Roots, .50; Plants, .50

VOLCANO (Richardson 85E), 1937, Bloom 11 x 7, Bush 4 1/2 ft. This variety is Formal or Informal, call it whichever you like, according to the way it grows. Color, orange flame red that does not fade or burn. Foliage dark green and rugged. Won in the Largest Bloom Class in Washington in 1936. It is a real keeper with heavy petals on strong stems, blooming from midseason on. Roots, \$3.50; Plants, \$1.25



FORMAL DECORATIVE DAHLIAS—Continued

AVALON, Bloom 7 x 3, Bush 5 ft. Clear canary yellow. .25

BUCKEYE BRIDE (Roberts-Peck 82C), Bloom 7 x 5, Bush 6 ft. This popular flower is still one of the favorites. The bush is a tall, rugged grower. It is an early and continuous bloomer on long, erect stems. Color, a distinctive even shade of salmon pink.
Roots, .50; Plants, .50

CAVALCADE (Groll-Dahliadel 85C 85E), Bloom 8 x 5, Bush 5 1/2 ft. In form this dahlia resembles Jersey's Beauty and its stems and bush growth are almost identical. It is, however, larger in diameter and two or three shades darker. Fine in the show room and for florists' use as it is a decided change from Jersey's Beauty in a rich, deep rose with tones of rosy magenta. Won many prizes and is a good root maker.
Roots, .75; Plants, .50

ELITE GLORY (Kennedy 83E), Bloom 10 x 4, Bush 4 1/2 ft. A dahlia that has had a long run of popularity and is still good. Color, rich red. Blooms large, of good form and substance and held erect on strong stems. Midseason bloomer. .50

ELITE SPORT (Dahliadel 84E), Bloom 9 x 5, Bush 4 1/2 ft. A positive sport of Elite Glory, inheriting such good qualities as rugged growth with insect-resistant foliage, strong stems, and the bloom an exact counterpart, except in color, which is a soft buff, striped and speckled crimson. Sports usually revert to the original variety to a more or less degree. True to tradition, this sport occasionally reverts or throws a solid red bloom with the rest of the bush blooming as described above. .50

GRACE (Bibbs 85C), Bloom 6 x 2 1/2, Bush 6 ft. This dahlia will remind you a lot of Jersey's Beauty in form, not quite as deep a flower, but will give you twice as many blooms. It might be called a blooming fool, from early to late with centers perfectly full, stems long and stiff, but not clumsy. Color, pure white tipped and suffused lavender. As a cut flower it is very profitable. .35

JERSEY'S BEAUTY (Waite 86C), Bloom 6 x 4, Bush 6 1/2 ft. Probably the most popular cut flower variety grown. The ideal pink for exhibition or florists' use. Large, deep flowers of perfect form on long stems. Free, early bloomer, with exceptional keeping qualities. Roots, .35; Plants, .35

JERSEY'S WHITE BEAUTY (Waite 85C), 1936, Bloom 6 x 3, Bush 5 ft. A white Jersey's Beauty with wonderful keeping qualities and stem. It is quite similar in form with good centers and tight petals. Early and free blooming.
Roots, \$2.00; Plants, .75

KENTUCKY (Castlewood 86C), Bloom 6 x 4, Bush 6 1/2 ft. This dahlia has the same ideal characteristics as Jersey's Beauty, of which it is a sport, and apparently a stronger grower. Its color is a tone of Jersey's Beauty pink, with a lot of yellow and gold blended in, making it more of a salmon pink. Good for cutting. .35



Haslerova

HASLEROVA (Svajner 85E), Bloom 8 x 4, Bush 5 ft. A glorified Le Grand Manitou only more refined, the ground color being a delicate lavender, almost white, flecked French purple. Truly a bi-color and should do plenty of winning in this class as there are few good ones. Stem, foliage and bush growth very satisfactory.
Roots, \$2.00; Plants, .75

LUELLA CASS (Hosack's F. G. 85C), Bloom 7 1/2 x 4, Bush 4 ft. About the brightest and cleanest shade of bright rose pink shading to soft rose. A really beautiful commercial pink of fine form that is a good rugged grower with perfect stems.
Plants, .50

MR. H. C. DRESSELHUYS, Bloom 6 x 2 1/2, Bush 5 ft. Soft rose pink with lighter shadings. .25

OLD HICKORY (Dahliadel 83E), Bloom 7 x 5, Bush 3 1/2 ft. The dahlia that is easy to grow. A rough-and-ready, rugged plant, semi-dwarf with each branch bearing a large bloom which is almost a ball with centers always full. Stems are ideal for basket arrangement. Color, madder red with apricot suffusion. .50

PHANTOM (Berger 85E), Bloom 9 x 5, Bush 5 ft. Long broad petals of deep violet purple with distinct white tips. Good bi-colors are few and far between and this one fits into many gardens and show room classes. Bush is vigorous and stems are strong.
Roots, .75; Plants, .50

THE WORLD (Dahliadel 85E), Bloom 9 x 4 1/2, Bush 5 ft. The coloring is an unusually rich, deep, rosy magenta, overlaid garnet, with silver shadings on edges of petals. Perfect, full centers. Stems are strong and erect. Foliage is thick and leathery. A good sturdy grower. This dahlia has good substance, but does its best in cool weather, when the color will be as described. .50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



Easter Greeting

DAHLIADEL SNOW WHITE (see page 4)
will make a suitable background for
SEVEN OF THE DWARF DAHLIAS

A wonderful new race of dahlias that are particularly adapted for landscape planting for beds or borders that attracted much attention in our Trial Grounds this season. They start blooming early in the summer when only about one foot high and bloom continuously until frost, developing to about two feet in height, except where heights are noted. At the end of the list will be found varieties that we recommend for landscape plantings from different types that are dwarf and yet produce a mass of color early.

EASTER GREETING, S-C, Bloom 4 x 1½. This is the original variety of this type and may be grown in pots as a blooming plant or used as a cut flower. White with a creamy cast.

ELSIE, S-C, Bloom 4½ x 2½. One of the best.
Color, soft peach red shading to lemon yellow at
center. Blooms are of fine form.

GERTRUDE (Dwarf) FD, Bloom 4 x 1½, Bush 1½ ft. The best clear primrose yellow in this Dwarf class. A very good variety with uniform bloom.

KATE, FD, Bloom 4 x 2, Bush 1½ ft. A small bright cardinal red very showy in bed planting. Blooms are very attractive, uniform, and good for cutting.

MARIA, S-C, Bloom 4 x 2, Bush 1½ ft. Considered an improvement over Easter Greeting with better centers and not as tall a grower, but the stems are not as long as Easter Greeting should you desire cut flowers.

ROSALIE (Dwarf), S-C, Bloom 4 x 2. Color, bright violet rose shaded lighter at center and tips. A very good grower and a desirable variety.



Elsie

URSULA, FD, Bloom 5 x 2. Dark Oxblood red.
For those who do not like bright reds this variety
will contrast better with the lighter shades.

Plants of above Dwarf varieties each 50
(See quantity discount, page 45)

COLLECTION I: Above Seven Dwarf Dahlias

COLLECTION E Above Seven Dwarfs Damas (Plants)

ITEMS SERVICED BY BLDG 3 \$0.00

FRED SPRINGER, FD, Bloom 6 x 3, Bush 2 1/2 ft.
A larger bloom than the other Dwarf varieties but
a rich scarlet in color with bright green fern-like
foliage which is very effective in mass plantings. .50

RECOMMENDATIONS FOR LANDSCAPE PLANTING

LARGE DAHLIAS

Golden Bounty
Golden Prince
Limelight
Mrs. Bruce Collins
Treasure Chest

POMPONS

Betty Anne
Bob White
Helen Anita
Jack
Mickey
Rosie

MINIATURES

Baby Royal
Bishop of Landaff
Buckeye Baby
Dianne
Forest Fire, Jr.
Lakeside Babe
McKay's Purity
Nesthakchen
Peach Blush
Pink Lassie
Snowsprite
Tangerine
Thrill



DAHLIADEL NURSERIES

BALL DAHLIAS

CAROLYN BALL (Berwick D. G. 82E), Bloom $5\frac{1}{2}$ x 4, Bush 3 ft. Large, deep flowers on strong, erect stems. Described as a Neyron rose with mauve shadings. Unusual and appealing. A good pink to add to your collection of ball dahlias. .35

CHARLOTTE CALDWELL (Creekside D. G. 85E), 1937, Bloom 6 x 3, Bush 3 ft. A welcome addition to the Ball Class for exhibition as it is large, uniform and the petals are evenly cupped. Color is bright apricot, suffused coral. Bush and foliage healthy and rugged. Roots, \$3.00; Plants, \$1.00

CROWN OF GOLD (Kennedy 85C 85E), Bloom 5 x $2\frac{1}{2}$, Bush 3 ft. Might be described as an improved Gold Medal, with less red showing. Color is deep lemon yellow suffused peach red, mostly on back of petals. Nice stems for cutting. Free and early. Roots, .50; Plants, .50

FLORENCE, Bloom 5 x 3, Bush $3\frac{1}{2}$ ft. Phlox pink or lilac. .50

GOLD MEDAL (Keynes 85E), Bloom $4\frac{1}{2}$ x 3, Bush $4\frac{1}{2}$ ft. Sunflower yellow tipped and suffused Oriental red; very striking and popular both in the cut flower market and on the exhibition table.

Roots, .50; Plants, .50

JAYSEEDEE (Draude 85E), Bloom $4\frac{1}{2}$ x $3\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A beautiful ball-shaped dahlia of soft, reddish violet striped and speckled rich red. Bush compact, but fine stems can be produced by disbudding. A winner on the exhibition table.

Roots, .75; Plants, .50

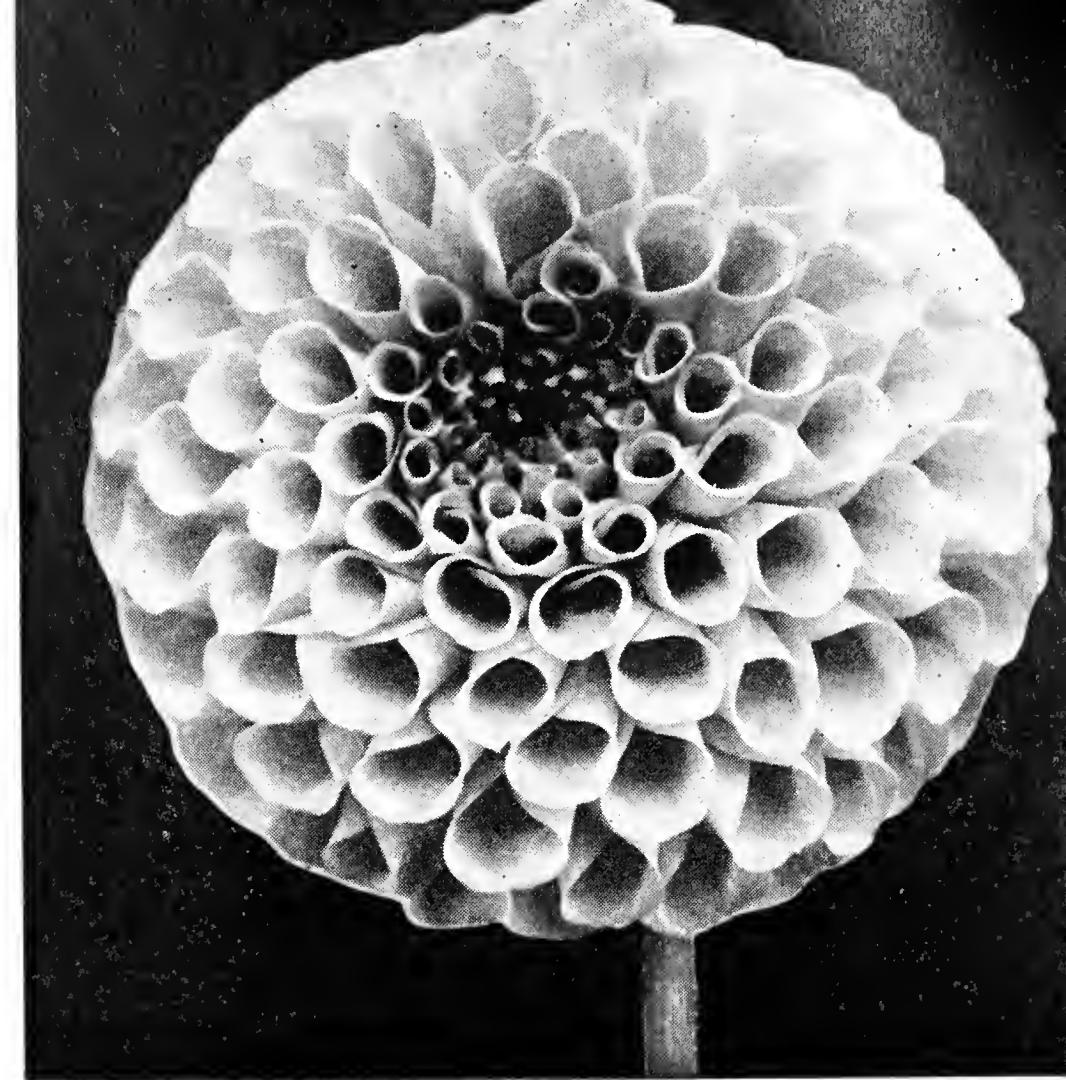
KENTUCKY SNOWBALL (White's D. G. 85E), Bloom 3 x 2, Bush 3 ft. A pure white that does not burn. Profuse bloomer on long erect stems. A much needed variety in the Ball Class. Plants, .50

MARY HELEN (Alling 85E), Bloom $4\frac{1}{2}$ x $3\frac{1}{2}$, Bush 5 ft. A welcome addition in this type. Color, deep canary yellow. The plants are vigorous and produce quantities of well-formed blooms on good stems. Very desirable and a winner on the exhibition table. .50

MAUDE ADAMS, Bloom $4\frac{1}{2}$ x 3, Bush $3\frac{1}{2}$ ft. White, suffused soft violet rose. .35

MRS. C. D. ANDERSON (85E), Bloom 5 x $3\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A rosy magenta ball of good size with strong stems. Bush growth is strong and rugged. Its perfect form makes it a winner on the exhibition table. .35

SUPT. AMHRYN, (85E), Bloom $4\frac{1}{2}$ x 3, Bush $4\frac{1}{2}$ ft. One of the most perfect of its type for exhibiting. It is a beautiful Tyrian pink that has been very popular wherever displayed. A strong grower with long erect stems and healthy foliage. However, we have been several years building our stock of this variety. Plants, .50



Mary Helen

PEONY DAHLIAS

MRS. FRANCES E. BULLARD (Broomall 82E), Bloom 9 x 4, Bush $4\frac{1}{2}$ ft. The petals are long, pointed and gracefully twisted, forming a very distinct flower of a clear silvery or pastel pink, shading lighter at the center. Early blooms may have full centers. .35

THE U. S. A., Bloom 8 x 4, Bush 5 ft. Color, a vivid orange. Plants, .50



DAHLIADEL SCORE SHEET (New)

NAME _____	Type _____		
<input type="checkbox"/> Landscape—Originator _____			
Small Cut flr Exhibition _____			
<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/>			
20	20	20	Color + Clear + Bright + Attractive + Useful -4 Muddy -2 Dull -3 Fades -3 Burns
15	15	15	Form + Uniform + Artistic + True to type -4 Deformed -2 Ordinary -2 Varying
5	5	5	Distinctiveness in Form, Color or other quality (Superior or different from existing varieties)
3	0	10	Size (Disbudded) Diameter . . . x Depth . . . (Natural) . . . x . . .
20	20	20	Stem + Proportion + Strong + Erect + Long + Graceful I \ I / -3 poor proportion -3 Weak -3 Crotchy -3 Crooked
15	15	20	Foliage + Proportion + Health-Vigor + Rugged & Bush -3 poor pro. -5 Poor-Weak -3 Succulent
12	15	10	Substance Petals + firm + thick + Back good " -3 soft -2 thin -2 wilt -2 fall
10	10	0	Floriferousness + Profuse med. + Early med.
<input type="checkbox"/> _____ <input type="checkbox"/> _____ [Uniformity Bench] -3 shy -4 late			
S	C	E	Total Score Bush height Ft. Pinched back
Color Description _____			



Dahliadel Twinkle

PECENT DAHLIADEL INTRODUCTIONS

DAHLIADEL TWINKLE (Dahliadel 85), Bloom 4 in., Bush 2½ ft. The sensational Orchid Flowering variety that is fast growing in popularity and has already won a number of prizes. Blooms are not only perfect in form and graceful, but a beautiful combination of white suffused violet rose with distinct Tyrian rose mottlings on the reverse of the petals which roll forward and show on the face of the flower. Very striking in color effect for arrangements and useful as the flower has a light airy appearance both in color and form. Bush is rather dwarf, making it desirable in border planting.

Roots, .75; Plants, .50

DAHLIADEL WHISPER (Dahliadel 85), 1937, Bloom 4½ in., Bush 2½ ft. Orchid flowering dahlias are becoming more popular each year, not only for cutting and in the garden, but for arrangements with other flowers. This variety is shown in color on the front cover of this catalog and you will note its color is maize yellow on the face of petal with a scarlet reverse. Long erect stems that hold well after being cut. Bushes are healthy, insect-repellent and desirable in borders or for mass planting.

Roots, .75; Plants, .50

LONE STAR (Dahliadel 85), 1937, Bloom 4 to 6 in. Bush 3 ft. This orchid flowering dahlia is worthy of a place in the Dahlia World by its unique coloring, which is a light lemon or sulphur yellow on the face of the petals with a soft French Purple on the reverse with the petals tightly rolled forward. It makes a very striking color combination. Stems are long and erect, fine for cutting. An early and continuous bloomer, effective in landscape or border planting.

Roots, .75; Plants, .50

DAHLIADEL NURSERIES



ORCHID FLOWERING DAHLIAS

This type of dahlia is one of the most interesting and is popular for landscape effects, gardens, table arrangements and dainty decorations. The bushes are compact, free branching, and exceedingly prolific bloomers. Most of the flowers are 4 to 5 inches in diameter, and bushes are 2 to 3 feet in height. They do wonderfully well when pinched out for landscape effect, but should not be thinned out nor disbudded. If orchid flowering or single dahlias are cut before the pollen shows, they will hold their petals and keep for days.

GENERAL COLLECTION

BEAVER. Deep crimson carmine with white shadings on face of petals.

BUTTERCUP. ..(Dahliadel). Light buttercup or canary yellow. Erect stems. Early, profuse and keeps well when cut.

EVEREST. Pure white throughout. Long, graceful recurving florets. Good size.

GOLDFINCH. Not a profuse bloomer, but very showy. Yellow ground, shaded red, with crimson reverse.

MAVIS. Light lilac ground, with deep, reddish purple reverse.

POLLY. Sunflower yellow ground. Carmine lake reverse.

RUBY. Light ground shaded with Tyrian rose. Deep Tyrian rose reverse.

VESPER. (Dahliadel). White heavily suffused Tyrian Rose. Uniform, early, very satisfactory for cutting and landscape.

I Root each of the above General Collection
8 varieties - - \$2.00

DAHLIAS FOR FLORISTS

At a dinner meeting of the A. D. S. in N. Y., Jan. 21, this year Max Schling, introduced as *Dean of American Florists* said, "Small Dahlias make up more beautiful bride's bouquets than orchids, and less costly." We therefore want to urge those growing dahlias for cut flowers to keep abreast with the fast growing demand for the newer types of small dahlias which are selected for their keeping qualities above all other qualities. After growing and introducing dahlias for the cut flower market for over 30 years we are in position to recommend and furnish the most profitable and satisfactory varieties, which help the florist out wonderfully well in having something different for the fall season.

SINGLE DAHLIAS

LITTLE AMERICA (Dahliadel 85), 1937, Bloom 5 in., Bush 5 ft. As the picture shows this white Single is unusually outstanding and artistic. The arrangement pictured kept perfectly for 4 days with stems in shallow water which is unusual for a single dahlia, especially a white one. The petals are inclined to roll forward, which makes the bloom even more artistic. Our customers who saw it in bloom are writing and asking for the single which resembles a giant Poet's Narcissus. Stems are naturally long and erect for cutting as shown and the keeping qualities are remarkable. Very showy in the garden.

Roots, .75; Plants, .50

AUTUMN CENTURY (Bassett 76), Bloom 4½, Bush 5 ft. A beautiful autumn tint, delicate madder lake, shading yellow at center. .25

CHANCELLOR (Volkskanzler) (Foreign 85), S, Bloom, 5. An unusual color combination of brownish red with a blood red halo and dark center. Strong stems, fine for cutting and a good keeper. Plants, .50

DORIS (84), Bloom 4, Bush 4 ft. Deep velvety carmine, heavily tipped pure white. A truly spectacular color combination. Bushes are semi-compact, making a nice appearance in the garden. Growing habits and stems ideal. .25

FRAGRANCE. Identical with Prince of Bulgaria.
Roots, .50; Plants, .35

GARNET POINSETTIA (Peacock 84), Bloom 7, Bush 6 ft. Rich, glowing garnet with a brilliant glistening sheen. Large blooms of poinsettia form are held on long, stiff stems on strong plants, producing profusely. .25

JAMES WELLER (Peacock 85), Bloom 6, Bush 5¼ ft. Effective because of its color combination of rich golden yellow with central zone of each petal soft rosy red. Large, well-formed blooms are held erect on long, stiff stems. .35

LOIS (Dahliadel 83), Bloom 5, Bush 5 ft. This charming pink Single attracts much attention. The yellow center adds much to the beauty of the flower. Stems are ideal, both in the garden and for decoration. .35

NEWPORT WONDER (Robertson 84), Bloom 6, Bush 5½ ft. A very popular and artistic dahlia. Petals pointed and slightly twisted. Color, rose pink with golden suffusion. Roots, .50; Plants, .35

NOTRE DAME, Bloom 3, Bush 2 ft. White with bright yellow edges, some bushes solid yellow. .50

PEQUOT YELLOW (Wakeman D. G. 85), Bloom 5, Bush 3½ ft. A very large clear yellow, especially fine for exhibiting. Good habits of growth and a variety which is very popular. Roots, .75; Plants, .50

PRINCE OF BULGARIA, Bloom 2½, Bush 2 ft. A very attractive and artistic bi-color. Petals are pure white with a broad margin of bright carmine. This makes an ideal border variety, as the stems are slender but erect, and the foliage is fernlike or serrated. Roots, .50; Plants, .35



Little America

PURITY, Bloom 7, Bush 6 ft. Pure white on good stems, strong grower. .35

SCARLET CENTURY (Peacock 80), Bloom 5, Bush 5 ft. Bright, glowing scarlet on erect stems. Good grower, free bloomer, with petals evenly placed. .25

TANGO (Dahliadel 79), Bloom 5½, Bush 6 ft. A lively autumn tint, cadmium yellow, shaded scarlet orange. .25

FOR 1939 SINGLE INTRODUCTIONS see page 4

ANEMONE DAHLIAS

ADA FINCH (Wouters 84), Bloom 3½, Bush 2½ ft. A fine bedding or border dahlia; free, early and profuse. This creamy white flower differs from the Century type by having small quilled petals of the same color covering the entire center. Plants, .50

COLLARETTE DAHLIAS

ERICA (Ballego 85), Bloom 4½, Bush 3 ft. Deep amaranth red, almost black. Collars of same tone with white tips. Unusual and striking for floral arrangements.
Roots, .50; Plants, .50

FILLE (85), Bloom 5, Bush 4 ft. A most attractive Collarette. Bright yellow with self colored collar. Fine stems, and outstanding as a good keeper in the garden or in the show room.
Roots, .50; Plants, .50

MITZI (Dahliadel 85), Bloom 4½, Bush 4 ft. A seedling of Geant de Lyon that is very unique and showy. Color, crimson carmine shading to primrose yellow at center and edged white. Bushes branch and bloom freely, stems erect. Flowers keep well on bush or when cut. A robust grower. .50

TRIBUNE (Dahliadel 86), 1937, Bloom 5, Bush 4 ft. In color on the back cover. According to color chart a deep rich crimson carmine with white collar petals that are edged carmine. The most outstanding Collarette we have ever seen or grown. An early and continuous bloomer on stems that hold erect after cutting. A real cut flower and showy in the garden.
Roots, \$1.00; Plants, .50



Pink Lassie

MINATURE DAHLIAS

CULTURE—Miniature dahlias need no disbudding, very little pruning and can be planted closer than the larger varieties for landscaping. They should not be heavily fertilized or overwatered, but grown rather poor the same as pompons.

These miniature types are especially adaptable to use in the home, and are attractive in landscape work such as borders, hedges, or for mass plantings, and a few of the real dwarf varieties are suitable and effective in low borders. See New Dwarf Dahlias, page 34.

MINATURE PEONY DAHLIAS

BABY ROYAL (West 85S), M P or M S-C, Bloom 3 x 2, Bush 3 ft. In the early season or by selecting blooms, this variety may be shown as a Miniature Semi-Cactus or as an open center or Peony later in the season. Salmon pink shaded apricot with yellow at base of petal. A prize winner. .35

BISHOP OF LANDAFF (86S), M P, Bloom 3 x 1½, Bush 4 ft. This is an unusual and very attractive flower, petals being bright scarlet with a deep garnet center. Foliage is lacy of a reddish bronze color. Wonderful for landscape effects and home arrangements. Very popular as a cut flower.

Roots, .50; Plants, .50

PINK DAISY (Dahliadel 85S), M P, Bloom 3 ins., Bush 2½ to 3 ft. One of the most useful small dahlias. For landscape or hedge effect this variety is outstanding. Bushes are very broad with literally hundreds of blooms at one time and blooms incessantly whether seed pods are picked or not. Stems are slender, yet stiff, and need no disbudding. Bright rose pink, shading lighter at center of flower. There are two or three rows of nearly straight petals around a well proportioned yellow center reminding one of a double pink daisy. Roots, .50; Plants, .50

PINK PEARL, M P, (84S), Bloom 2½, Bush 1½ ft. Lovely rose pink, showing a golden eye. Petals curl and twist. The compact bushes make it very desirable in landscape planting, and useful for cutting and arrangements. Roots, .50; Plants, .35

PINK LASSIE (Moore-Dahliadel 86S), M P, 1938, Bloom 3½, Bush 2½ ft. Words fail to describe this daintiest of Miniatures that just naturally arranges. A beautiful soft shade of rose pink with cream and lighter shadings toward center. Won First as Miniature Peony in New York and Camden,

DAHLIADEL NURSERIES



1937 and first in numerous arrangement classes the past two seasons. Bush growth is low, rugged but rather open, producing quantities of blooms on long slender stems. Really a wonderful dahlia for all purposes, landscape, arrangements and a real commercial.

Roots, \$3.00; Plants, \$1.00

RAIDER, M P, (83S), Bloom 3 x 1½, Bush 2½ ft.

Soft violet rose suffused yellow at base of petals, which are pointed and twist and curl in a charming manner. A robust grower. Stems are graceful. .25

TINY, Bloom 3, Bush 1½ ft. Yellow base suffused apricot. .35

DAHLIA SEED

Sow in flats or frames in early spring in light soil, cover the seed not more than one-fourth inch about the same as you would tomatoes, when first pair of leaves are well developed transplant into small pots or flats and grow in cool temperature until they can be planted in the garden. Should they get too large pinch back and shift to larger pots or replant in flats giving them more room.

DAHLIA SEEDLINGS in general do not come true to their parentage, but do usually show some resemblance either in form, color or bush growth. Do not expect to grow seedlings of a named variety and produce the same variety.

CACTUS AND DECORATIVE SEED (California grown). Mixed seed from varieties that are known to be good seed parents. A mixture that should give you plenty of good, full-centered dahlias.

20 Seed, \$1.00; 100 Seed, \$5.00

DECORATIVE SEED (Jersey grown) A mixture of Formal and Informal Decorative seed saved from the best varieties in our trials and a field where only big dahlias are grown.

35 Seed, \$1.00; 100 Seed, \$2.50

CACTUS SEED. (Jersey grown) Saved from the best Cactus and Semi-Cactus varieties. This seed should give you a good percentage of Cactus type blooms.

35 Seed, \$1.00

COLLARETTE SEED (mixed) saved from our Collarette varieties should produce mostly Collarettes and Singles.

35 Seed, .50; 100 Seed, \$1.00

MINIATURE CACTUS AND SEMI-CACTUS SEED. This is a very fine strain that should produce a large percentage of full-centered flowers and hold consistently to the cactus type. 35 Seed, \$1.00

MINIATURE DECORATIVE SEED. Should produce mostly full-centered decorative Miniatures.

35 Seed, \$1.00

MINIATURE PEONY SEED. Saved mostly from Pink Lassie and other good Peony Miniatures.

35 Seed, \$1.00

MIXED MINIATURE SEED. 35 Seed, \$1.00

ORCHID FLOWERING SEED produces orchid flowering dahlias consistently for us, with some type and considerable color variations.

35 Seed, .50; 100 Seed, \$1.00

POMPON SEED saved from our best pompon varieties. This will give you a large percentage of pompon dahlias.

35 Seed, .50

SINGLE SEED will produce a great number of seedlings true to type and can be used very satisfactorily for a mass of mixed colors. They should be planted close for this effect.

50 Seed, .40



DAHLIADEL NURSERIES

MINIATURE CACTUS and SEMI-CACTUS DAHLIAS

CHARD'S VANITY (Jarman 85S), M S-C, Bloom $3\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. One of the prettiest of the pink Miniature Semi-Cactus varieties. Color, clear soft rose pink. Bush growth good, stems long and erect. A very desirable variety.

Roots, .75; Plants, .50

DAHLIADEL JOY (Dahliadel 85S), M C, Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. One of the most attractive small dahlias we grow. It is artistic and uniform, and blooms profusely on long stems without any disbudding. In fact, with disbudding this dahlia will grow to 5 inches or more. It is a wonderful keeper with perfect, full centers until frost. Color, a clear lemon yellow. Popular with florists. Certified at East Lansing, and scored 86 at Cincinnati.

Roots, .75; Plants, .50

DUBONNET (Shipley-Dahliadel 86S), M S-C, 1937 Bloom 4×2 , Bush 3 ft. The prettiest dark red Miniature Cactus dahlia you can grow. Color a rich deep Ox Blood red that does not fade or burn. Beautiful, compact bushes with dense, dark green, healthy foliage covered with dark red blooms. A picture in itself. This variety grows with natural stems for cutting and the more flowers you cut the more it produces. To those who knew dahlias 25 to 30 years ago, Dubonnet is a miniature Floradora. We have wonderful reports of this dahlia from all over the country.

Roots, \$1.50; Plants, .50

KITTY BELLAIR, M S-C, Bloom $3\frac{1}{2} \times 1$, Bush 4 ft. Rich amaranth red, Good form, free flowering. .25

LITTLE DREAM, M C, Bloom $3\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. Clear pink with pure white centers. A late bloomer. .50

NESTHAKCHEN (Engelhardt 84S), M S-C, Bloom 4×2 , Bush $2\frac{1}{2}$ ft. Color, buff suffused soft lilac.



Dubonnet

An artistic Miniature where pastel shades are desired. Free flowering and good growing habits.

Roots, .50; Plants, .35

PETIT SONNE (Australia 85), M S-C. A miniature Golden Sonne. Outer petals yellow, center buff. A clean-cut flower, very neat and attractive. Good substance, fine for arrangements.

Roots, \$2.00; Plants, \$1.00

RED CAP, JR. (Lasch 85), M S-C, Bloom $4\frac{1}{2} \times 2$, Bush 3 ft. A bright fiery red, very showy, rather large for exhibiting but good for cutting. Compact bush, well-proportioned stems. Centers good throughout the season.

Plants, .50

SANHICAN'S SWEETHEART (F & M. 85S), M S-C, Bloom $3\frac{1}{2} \times 2$, Bush 2 ft. An artistic and useful variety. Color, ochreous buff, suffused rose red which is a fine companion for Baby Royal. Low growing bushes covered with blooms.

Roots, .35; Plants, .35

SNOWSPRITE (Shee-Dahliadel 86S), M S-C, Bloom $3\frac{1}{2} \times 2$, Bush 3 ft. Won as best white Miniature in Detroit, 1936. Also won second in Miniature Semi-Cactus Class in New York in 1937, losing to our 1939 introduction Dianne. A wonderful and artistic cut flower, blooming very early and continuously. Uniform with centers always full and good stems. Fine for arrangements and a real commercial white.

Roots, \$3.00; Plants, \$1.00

TROJAN (Bolsa D. G. 85), M C, Bloom $4 \times 1\frac{1}{2}$, Bush 3 ft. A very pretty orange scarlet with yellow shadings at base of petals. Blooms early and continuously and is especially good at the end of season. Certified at Storrs.

Plants, .50

CORN BORER DUST (Korn-Bor Dust) made according to recommendations of Experiment Stations for the control of European Corn Borers. Four to five applications should be made at five to six day intervals, starting at the time of the first eggs' hatching. Five pounds should take care of 100 to 150 dahlia bushes for four applications (size of bush will vary amount needed). Directions with each package.

5 lbs. Postpaid up to 4th zone - \$1.20
100 lbs. Express collect - - - \$15.00



SNOWSPRITE



Rapture

MINIATURE INFORMAL DECORATIVE DAHLIAS

FOREST FIRE, Jr. (Dahliadel 85S), 1937, Bloom $3\frac{1}{2} \times 1\frac{1}{2}$, Bush 4 ft. In color it is indeed a miniature Forest Fire of very artistic form. It is amber yellow suffused and veined soft cardinal. This variety grows well regardless of insects or dry weather and blooms from the middle of August until frost. Blooms always uniform and plenty of flowers. The picture for front cover color reproduction was taken October 23 showing full centers after 3 months' of blooming. Bushes are strong and symmetrical with stems long and erect suitable for cutting the entire season. Roots, \$1.50; Plants, .50

GLORIOUS (West 82), Bloom 3 x 2, Bush 2 ft. This variety is a profuse bloomer but does best however, in cool weather. The numerous petals are long and narrow. Color, scarlet red. .50

JEAN (Dahliadel 84S), Bloom $3\frac{1}{2} \times 2$, Bush $3\frac{1}{2}$ ft. Color apricot buff, suffused soft lilac rose. Bush strong, and a compact grower. A free, early bloomer, and very satisfactory. You can cut bouquets from one bush twice a week from the middle of August until frost. .35

RALEIGH (Draper-F. & M. 85S), 1936, Bloom $3\frac{1}{2} \times 2$, Bush 4 ft. Very desirable for baskets, and a fine commercial. Bushes are strong and robust, stems stiff and erect. Color, deep rose pink shaded salmon. One of the earliest and longest to bloom. Certified at Storrs. .50

RAPTURE (Dahliadel 86S), Bloom 3 x $1\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A very artistic Informal Decorative which is a quick, robust grower with excellent stems, making each bush a bouquet of itself in the garden. When allowed to branch will produce almost hundreds of blooms of miniature size, but disbudded should produce blooms 5 inches. Keeps well when cut. Color, rose pink shading to sulphur yellow at center with a gold suffusion. Cert. at Storrs and East Lansing. It was so marvelous in Georgia they report that this is the variety that makes the men like little dahlias. Roots, .50; Plants, .50

DAHLIADEL NURSERIES



MINIATURE FORMAL DECORATIVE DAHLIAS

BABY BEAUTY (Dahliadel 85S), Bloom $3\frac{1}{2} \times 2$, Bush $5\frac{1}{2}$ ft. As the name implies, this is a small Jersey's Beauty on strong, erect stems, possessing all the good qualities of the variety it so closely resembles with better branching habits. Color, violet rose, shaded bright rose pink. This dahlia is useful in any flower shop. .35

BLUEBIRD (Peck 84S), Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. This dahlia is unique and different in its coloring, being the nearest to blue in the small dahlias. Color is bluish lavender. Roots, .50; Plants, .50

BUCKEYE BABY (Golden Rule 86S), 1936, Bloom $2\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. This fine Miniature is really small and deep and while the bushes are dwarf, the stems are fine for cutting. Color, gold buff lightly shaded red on the reverse. Roots, .50; Plants, .50

DIANA JEAN (Dahliadel 84S), 1937, Bloom 3 x 2, Bush 3 ft. A deep sulphur yellow with very faint rose suffusion on back of petals. Stems are ideal and blooms keep well when cut. A real yellow for cutting or exhibiting, and also very showy in the garden. Roots, \$1.00; Plants, .50

FAIRY (Dayton D. G. 85S), Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush 4 ft. Described as a miniature Jersey's Beauty but lighter in color. A violet rose shading mauve at tips. A very early and continuous bloomer that keeps wonderfully well when cut. .50

JERRY (Dahliadel 82S), Bloom 4 x 2, Bush $4\frac{1}{2}$ ft. Color, coral red, lightly suffused carmine. Bright and showy, and very effective in landscapes with the autumn shades, but not very good with pinks. A strong grower, prolific, blooms early and good until frost. .25

LAKESIDE BABE (Lakeside 85S), 1937, Bloom $2\frac{1}{2} \times 2$, Bush 3 ft. This is the best clear lemon yellow Formal Miniature that we have so far found. It is small, profuse and uniform, good for cutting or exhibiting, keeping exceptionally well when cut. Roots, \$1.50; Plants, .50

LITTLE JEWEL (82S), Bloom 2 x 1, Bush 3 ft. This is one of the original, full centered pink Miniatures. It blooms freely in light soil. We recommend using ashes when grown in heavy soil. .35

LITTLE NEMO (Chase 85S), Bloom 4 x 2, Bush 4 ft. A striking crimson uniformly tipped white which is uncommon in bi-colors. Very pleasing and regular in form but sometimes grows too large for the Miniature class. However, it is very beautiful and popular wherever grown. Roots, .75; Plants, .50

Thanks for your interesting poems and photographs for our Scrapbook. We do appreciate them and many others enjoy them here with us and we only wish we could use them in our catalog as they portray your success or achievement in growing Potash Fed Dahlias. Sometimes they even solve cultural problems and certainly give us a better idea of how different varieties do in various parts of the country.



DAHLIADEL NURSERIES

MINIATURE FORMAL DECORATIVE DAHLIAS—Cont'd

MC KAY'S PURITY (McKay-Dahliadel 86S), 1938, Bloom $2\frac{3}{4} \times 1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. We have long been looking for a good white Formal Miniature. This strong grower makes healthy dense, dark green foliage with the uniform white blooms jetting out in striking contrast. Stems are plenty long for cutting and still the bush is compact for hedge or bed effects. Cert. at Storrs, 1937, and O.V.D.A. 86S. It won first in the Miniature Seedling Classes in New York and Camden and we highly recommend it as a commercial white as well as for exhibiting.

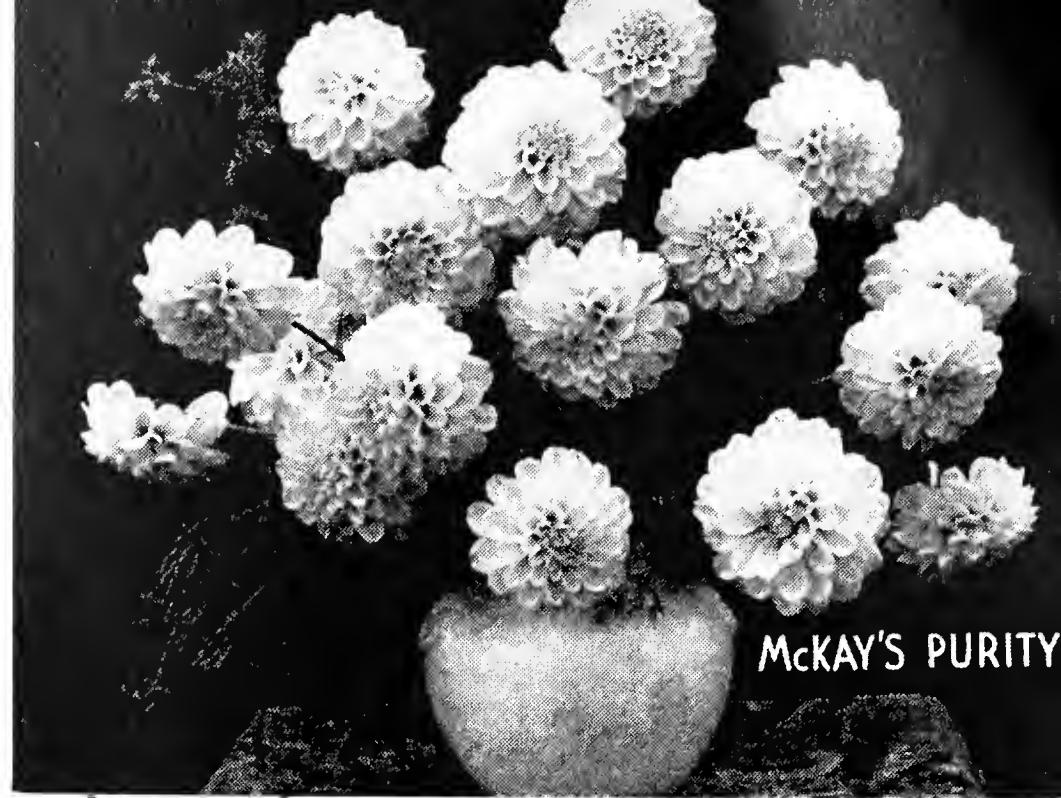
Roots, \$3.00; Plants, \$1.00

MIRTH (Nuneviller-Dahliadel 84S), Bloom 3×2 , Bush $4\frac{1}{2}$ ft. A lively orange scarlet of an even color that does not fade. Normally, this flower grows small enough to keep well under the $3\frac{1}{2}$ -inch mark with centers always full. Bush is healthy and rugged, stems long and erect. Blooms uniform in size, form and color. Certified at Storrs. .50

ORCHID LADY (Groll 85S), M FD, Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush 4 ft. This variety, like some of our own introductions, runs so close to four inches that it is almost too large for a miniature, especially on the exhibition table. For a garden dahlia it is always a mass of blooms and it is a real commercial, good for cutting and home decorations. Color, bright violet rose or light lilac. Certified at Storrs and East Lansing. Roots, .50; Plants, .50

PADDY, Bloom $2\frac{1}{2} \times 1\frac{1}{2}$, Bush 3 ft. Flesh heavily suffused deep rose pink. .35

PEACH BLUSH (Dahliadel 85S), M FD, Bloom $2 \times 1\frac{1}{2}$, Bush 18 in. Beautiful uniform blooms of rose pink with yellow at the base of the petals. Perfect centers until frost and it blooms incessantly. Stems are fine, making it useful for arrangements as well as attractive in the garden, especially for hedge effects or bedding. Roots, .75; Plants, .50



McKAY'S PURITY

RED HEAD (Peck 85S), Bloom $3 \times 1\frac{1}{2}$, Bush 3 ft. A dahlia which is pleasing in appearance, and a fine keeper. Color, scarlet orange, with blooms facing up on nice stems.

Roots, .35; Plants, .35

ROSE BEAUTY (Dahliadel 85S), Bloom $2\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. An artistic and useful Miniature. The color is a soft peach with coral suffusion. The blooms are uniform and perfect, with centers full throughout the season. Stems are good which makes it ideal for cutting and useful for arrangements. Scored 85 at Ohio Valley Trial Grounds 1936.

Roots, .50; Plants, .50

SYLVIA (Lakeside D. G. 86S), M FD, 1938, Bloom $2\frac{1}{2} \times 1\frac{3}{4}$, Bush 4 ft. This dahlia won First as Best red Miniature Seedling at Detroit in 1936. Cert. at Storrs 86S and Cert. at E. Lansing, 1937. A dahlia that grows well, blooms profusely, carries and keeps wonderfully. Good form and a real miniature.

Roots, \$1.50; Plants, .50

TANGERINE (Dahliadel 85S), 1937, Bloom 3×2 , Bush 2 to 3 ft. The shade of red the ladies like, a bright russet orange inclined to scarlet. Stems erect and plenty long for cutting, still a compact bush with dark glossy foliage, very desirable for border planting or bedding as it grows naturally into a well-formed bush without any support. Flowers face partially upward and arrange very easily and keep well when cut giving wonderful cut flower qualities.

Roots, .75; Plants, .50

TEDDY BEAR (Imported), M FD or MP, Bloom $2\frac{1}{2} \times 1\frac{1}{2}$, Bush 2 ft. Unusual in form as it is a full-centered Formal with petaloids at times, then again it will be a double Collarette. Color blood red with small yellow petaloids.

Plants, .50

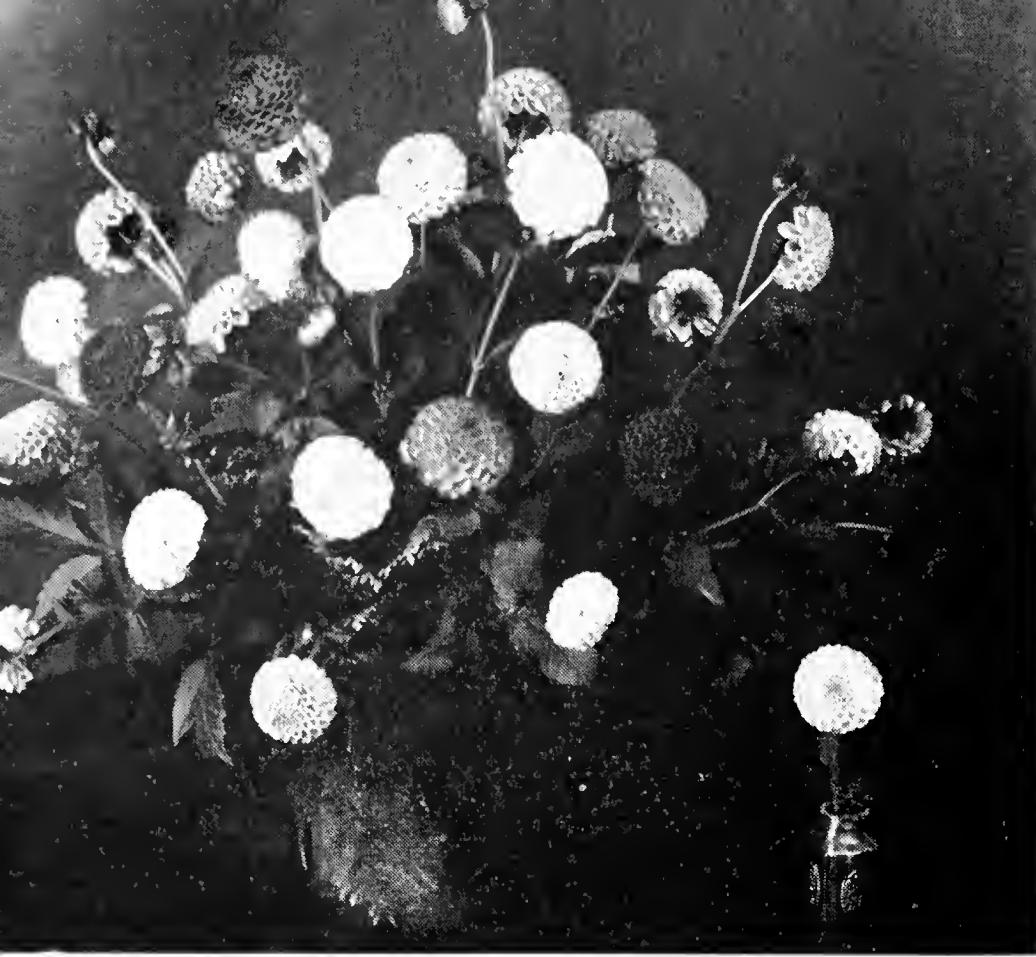
TIP TOP (Dahliadel 84S), 1937, Bloom $2\frac{1}{4} \times 1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A color reproduction of this variety is on the front cover. This ball shaped Formal Decorative is a real miniature and fits well in small arrangements. It is uniform and striking. Color, deep lemon yellow, distinctly tipped scarlet, making it outstanding. Bright green healthy foliage.

Roots, \$1.50; Plants, .50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



ROSE BEAUTY



POMPON DAHLIAS

AIMEE (Boston 84), Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. A popular tiny orange cadmium shaded apricot. .25

ATOM (Edymel 86), Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. One of the best, early and profuse bloomer of perfect form. Color fiery red. .35

BETTY ANNE (Pennypack Gdns. 87), 1936, Bloom $1\frac{1}{2} \times 1\frac{1}{4}$, Bush 2 ft. Color, soft rose pink, inclined to violet rose. Blooms are small, uniform in size and form. Bush healthy and vigorous. A prize winner. Roots, .50; Plants, .50

BETTY MALONE see page 2.

BOB WHITE (Dahliadel 85), Bloom $1\frac{1}{2}$, Bush 2 ft. Milk white having just a cast of yellow when opening. Bush is low and spreading with blooms on long stems. Ideal for bedding as well as the right form for exhibiting. .25

CHITA see page 2.

DARKSOME (Alexander 80), Bloom $1\frac{3}{4}$, Bush $4\frac{1}{2}$ ft. Dark red or maroon on long stems. .25

DEE DEE (Estes 85), Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. Pale lilac. Fine for exhibition. Centers are full with stems long and erect. .35

DORIA (Australia 86), Bloom $1\frac{1}{2} \times 1\frac{1}{4}$, Bush 3 ft. A unique variety. Color deep wine shaded darker at center. Stems are wiry and stiff holding the blooms on top of stem. Centers are unusually full. Roots, .50; Plants, .50

DOT (Dahliadel 85), Bloom $1\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. A pure white Pom on perfect stems. A strong grower and an early bloomer. Very good as a cut flower or for decorating. Plants, .35

EDITH MUELLER (85), Bloom $1\frac{3}{4} \times 1\frac{1}{2}$, Bush 3 ft. A bright soft apricot suffused peach red. Much in demand as a cut flower. Roots, .35; Plants, .35

ELIZABETH (82), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Lemon yellow, heavily tipped carmine. Fine form. .25

EUREKA (82), Bloom $1\frac{3}{4}$, Bush $3\frac{1}{2}$ ft. Yellow cadmium with carmine shadings at tips, with occasional white petals. Rightly called a variegated. .25

GERTRUDE (Salbach 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Bright glowing carmine of good form on strong stems. The best real bright red. Roots, .50; Plants, .35

GOLDILOCKS (Seal 85), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Gold deepening at centers. Flowers well formed. Good for exhibiting and cutting. .25

GRAIN O'GOLD see page 2.

HELEN ANITA (85), Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. A beautiful lilac with a lighter reverse and white center. Very attractive and good for cutting. .25

HONEY (Farnum-F. & M. 86), Bloom $1\frac{1}{4}$, Bush 3 ft. Primrose yellow with faint suffusion of red on edge of petals. Free flowering on long stems. .25

JACK (Dahliadel 85), Bloom $1\frac{1}{2} \times 1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. Color, purple garnet. Compact bush. An incessant bloomer, strong stems. Cert. E. Lansing. .35

JILL (Dahliadel 84), Bloom $1\frac{1}{2} \times 1$, Bush $1\frac{1}{2}$ ft. Color, lemon yellow margined carmine. Blooms uniform. Bush dwarf with stems long for cutting. .25

JOE FETTE (Boston 83), Bloom $1\frac{1}{2}$, Bush 3 ft. A very good pure white with good stems for cutting. Early and continuous bloomer. .25

JOHNNY (87), Bloom $1\frac{1}{4}$, Bush 3 ft. One of the most perfect and smallest dark red or maroon dahlias grown. Roots, .35; Plants, .35

LITTLE DAVID (Twichett 85), Bloom $1\frac{1}{2}$, Bush 3 ft. A small, perfectly formed russet orange. Free bloomer and fine for cutting and exhibiting. .25

LITTLE EDITH (87), Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. A nearly perfect Pom for the garden or show room. Primrose yellow, tipped bright carmine. .25

LITTLE PRINCE see page 2.

MARY MUNNS (85), Bloom $1\frac{1}{2} \times 1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. One of the best in a phlox or mallow purple. Good for exhibition or cutting. .35

MICKEY (Dahliadel 85), Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. Yellow, heavily tipped and shaded crimson. Blooms uniform, centers full, good stems. .50

MIDGET (West 82), Bloom $1\frac{1}{2}$, Bush 3 ft. Salmon suffused with violet. Good form. .25

MIKE (Boston 84), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Color bright burnt orange, shading lighter at the outer petals. Attractive and a profuse bloomer. .25

MORNING MIST (85), Bloom $1\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. A favorite as a cut flower. Good long stems. White tipped lavender with rosy lavender at center. Roots, .50; Plants, .50

REGINALD (Australia 86), Bloom 1". A fine exhibition Pom for the purple class. Diminutive in size and complete in form. A winner. Plants, \$1.00

ROSALIE (F. & M. 85), Bloom $1\frac{3}{4} \times 1\frac{1}{4}$, Bush 3 ft. A popular cut flower. Ivory white with stiff stems, good foliage and a profuse bloomer. .50

ROSEA (Keynes 84), Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. Perfect form for exhibition. Rosy lavender. Small and distinctive. Roots, .50; Plants, .35

SHERRY (85). This is a fine deep purple of perfect exhibition form and size. A quick grower, early and profuse and most satisfactory. Plants, .50

SNOWCLAD (78), Bloom $1\frac{1}{2}$, Bush 3 ft. One of the standard all-round pure whites. Free, early bloomer. .25

SUNNY DAYBREAK (Keynes 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Lemon yellow, heavily tipped cardinal. Flowers of good form. .25

YELLOW GEM (McWhirter 84), Bloom $1\frac{1}{2}$, Bush 3 ft. Clear canary yellow of fine form. .25



DAHLIADEL RECOMMENDATIONS

of Exhibition Dahlias

For your guidance in selecting the varieties that are winning and will win in competitive classes in the show room we are submitting the following tabulation. The varieties are placed under color classes and then the types under their respective colors. Varieties are listed under each type in their order of preference. For example, we feel Mother Maytrott is the best white ID while Lord of Autumn is the best yellow ID, etc. Varieties classed as B. Medium are designated by having 7" preceding the type. (See A.D.S. Classification of Dahlias, page 28).

N—Recommends that variety for the Northern Section of the U. S. and Canada with a rather short growing season of 90 to 120 days.

M—Recommends for the Middle Section of the U. S. where summers are dry and hot in places with a growing season of 120 to 180 days where a dahlia can successfully be a midseason bloomer.

S—Recommends for the Southern Section with long hot summers and intense heat.

WHITE

Jersey's Dainty . . .	7"	C	N M S
Ballego's Surprise . . .	S-C	N M S	
American Purity . . .	S-C	M S	
Mother Maytrott . . .	ID	N M S	
Eva Hunt	ID	M S	
Peace	ID	N M S	
White Abundance . . .	ID	M S	
Michigan White . . .	7"	ID	N M S
Andrea Ericson . . .	ID	N M	
Darcy Sainsbury . . .	FD	N M S	
Miss Oakland	FD	N M	
Graf Zeppelin	FD	M S	
Jersey's White Beauty 7"	FD	N M S	
Kentucky Snowball . . .	B	N M S	
Snowsprite	M S-C	N M S	
McKay's Purity	M FD	N M S	
Bob White	Pom	N M S	
Joe Fette	Pom	N M S	
Dahliadel Snow White	S	N M S	
Little America	S	N M S	

YELLOW AND CREAM

Marietta E	7"	C	N M S
Frau Ida Mansfield 7"	C	N M S	
Jean Parturet	C	M S	
Mrs. Bruce Collins . . .	C	N M S	
Frau O. Bracht	S-C	M S	
Limelight	S-C	N M	
Miss Glory	S-C	M S	
Kay Francis	S-C	N M S	
Lord of Autumn	ID	N M	
California Idol	ID	N M S	
Arelda Lloyd	ID	N M S	
Virginia Shipley FD or	ID	N M S	
Golden Bounty	FD	N M S	
Kentucky Sun	FD	N M S	
Mary Helen	B	N M S	
Dahliadel Joy	M S-C	N M S	
Lakeside Babe	M FD	N M S	
Little Prince	Pom	N M S	
Grain O'Gold	Pom	N M S	
Pequot Yellow	S	N M S	
Buttercup	O	N M S	

ORANGE, BUFF and BRONZE

Jean Johnston	C	N M S	
Golden Standard	C	N M S	
Ambassador	C	M S	
Miss Belgium 7"	C	N M S	
Jessica Dragonette . .	S-C	M S	
Amelia Earhart	S-C	N M	
Treasure Chest	S-C	N M S	
Dir. Carl G. Dahl . .	ID	N M S	

Sunrays

Joseph E. Mitchell . .	ID	N M S	
Golden Beauty	ID	M S	
Kentucky Dawn	ID	M S	
Television	ID	N M	
Watchung Giant	ID	N M S	
Golden Prince	ID	N M S	
Jane Cowl	ID	N M S	
Rudolf's Giant	ID	M	
Sultan of Hillcrest .	FD	N M S	
Volcano	FD	N M S	
Monarch of the East	FD	N M S	
Treasure Island	FD	N M S	
Charlotte Caldwell . .	B	N M S	
Crown of Gold	B	N M S	
Dianne	M S-C	N M S	
Buckeye Baby	M FD	N M S	
Rapture	M ID	N M S	
Honey	Pom	N M S	
Little Edith	Pom	N M S	
Atom	Pom	N M S	

RED, CRIMSON and MAROON

Son of Satan	C	N M S	
Mme. Geo. Pezant . .	C	N M	
American Triumph . .	C	N M	
Leiden's Elegance . .	C	N M	
Model 999	S-C	N M S	
Red Jug	S-C	N M	
Aiko	S-C	N M	
Satan	S-C	N M	
Karl Bonawitz	S-C	N M S	
Cherokee Brave	ID	N M S	
Margrace	ID	N M S	
Dean Anderson	ID	N M S	
Murphy's Masterpiece	ID	N M	
The Universe	ID	N M S	
Robert Emmet	ID	N M S	
Mrs. Geo. LeBoutillier	ID	N M	
Anna Benedict	ID	N M S	
Red Salute	FD	N M S	
Oakleigh Monarch . .	FD	N M S	
Fire Ball	FD	N M S	
Mrs. C. D. Anderson .	B	N M S	
Dubonnet	M S-C	N M S	
Sylvia	M S-C	N M S	
Bishop of Landaff . .	M P	N M S	
Johnny	Pom	N M	
Gertrude	Pom	N M S	
Jack	Pom	N M S	
Chancellor	S	N M S	

PINK, SALMON and ROSE

Sleepy Hollow	C	N M S	
Mrs. Herbert O'Conor .	C	N M	
Saarland's Heimkehr .	C	N M S	
Pink Spiral	C	N M	
Your Lucky Star	S-C	M S	
Greater Glory	S-C	M	
Paul Pfizer	S-C	M S	

Miss Elsie Jane 7" S-C N M S

Katie K.	ID	N M S	
Rita Wells	ID	N M S	
San Francisco	ID	N M S	
Kathleen Norris	ID	N M	
Calvadade	FD	N M S	
Jersey's Beauty	FD	N M S	
Kentucky	FD	N M S	
Pink Lassie	M P	N M S	
Baby Royal M P—M S-C	N M S		
Betty Anne	Pom	N M S	
Dahliadel Wonder . . .	S	N M S	

LAVENDER, VIOLET ROSE and MAUVE

Miss Ohio	7"	C	N M S
Lilac Glory	7"	C	N M
Mary Retzer	S-C	N M	
Robert L. Ripley . . .	ID	N M S	
Cherokee Rose	ID	N M S	
Mid West Champion . .	ID	N M S	
Clara Barton	ID	N M S	
Blue River	FD	N M S	
Rosemary	FD	N M S	
Mary Ellen	FD	M S	
Supt. Amryhn	B	N M S	
Orchid Lady	M FD	N M S	
Rosea	Pom	N M	
Morning Mist	Pom	N M S	
Dahliadel Twinkle . . .	O	N M S	

PURPLE and VIOLET

Ella May	7"	C	N M S
Jean Trimbee	S-C	N M	
Glamour	ID	N M	
Hunt's Velvet Wonder	ID	N M	
Purple Mist	FD	N M S	
Thomas A. Edison .	FD	M S	
Reginald	Pom	N M S	
Sherry	Pom	N M S	

BI-COLOR

Freckles	ID	M S

<tbl_r



DAHLIADEL COLLECTIONS

Positively No Changes in Collections

SIX POMPON DAHLIAS

COLLECTION A	Value \$1.50	ROOTS, \$1.00
Aimee	Goldilocks	
Bob White	Helen Anita	
Eureka	Little David	

SIX POMPON DAHLIAS

COLLECTION AA	Value \$2.00	ROOTS, \$1.25
Betty Anne	Midget	
Doria	Mike	
Honey	Sunny Daybreak	

FIVE MINIATURE DAHLIAS

COLLECTION M	Value \$2.05	ROOTS, \$1.00
Baby Beauty	Jean	
Baby Royal	Little Dream	
	Mirth	

FIVE GIANT DAHLIAS

COLLECTION B	Value \$2.20	ROOTS, \$1.00
H. R. S.	Jersey's Beauty	
Jane Cowl	Mabel S. Douglass	

W. H. T.

SIX CUT FLOWER DAHLIAS

COLLECTION C	Value \$2.50	ROOTS, \$1.50
Cossack	Grace	
Dorothy Duke	Kentucky	
Frances Larocca	White Prolific	

BEGINNERS' SURPRISE

COLLECTION BS	Value \$4.00 to \$6.00	ROOTS, \$2.00
----------------------	------------------------	----------------------

12 named roots tagged, all different. A good assortment of colors and types. Large flowering varieties only. This collection gains in popularity each year as finer varieties are used in it.

DAHLIADEL SEVEN

COLLECTION D	Value \$3.50	ROOTS, \$2.00
Clara Barton	Pot O'Gold	
Dixie Ravenscroft	Sanhican's Cameo	
Myra Howard	The World	
	White Wonder	

EIGHT EXHIBITION DAHLIAS

COLLECTION E	Value \$6.00	ROOTS, \$3.00
Anna Benedict	Dorcas Ann	
Cavalcade	Omar Khayyam	
City of Cleveland	Palo Alto	
Dahliadel Gold	Robert Emmet	

EIGHT BLUE RIBBON DAHLIAS

COLLECTION F	Value \$9.75	ROOTS, \$5.00
COLLECTION I	Value \$4.50	PLANTS, \$3.00
Arelda Lloyd	Judge Samuel Seabury	
Democracy	Mid West Champion	
Forest Fire	The Universe	
Hunt's Velvet Wonder	Treasure Chest	

SIX PRIZE DAHLIAS

COLLECTION G	Value \$11.50	ROOTS, \$6.50
COLLECTION J	Value \$4.75	PLANTS, \$3.25
California Idol		Milton J. Cross
Cherokee Rose		Mrs. Herbert O'Conor
Margrace		Opal

FOUR WONDERFUL DAHLIAS

COLLECTION H	Value \$18.50	ROOTS, \$12.50
COLLECTION K	Value \$6.75	PLANTS, \$4.50
Cherokee Brave		Limelight
Golden Bounty		Watchung Giant

FIVE ORCHID FLOWERING DAHLIAS

COLLECTION O	Value \$1.75	ROOTS, \$1.00
Buttercup		Mavis
Everest		Polly
		Vesper

SIX SINGLE DAHLIAS

COLLECTION S	Value \$1.60	ROOTS, \$1.00
Autumn Century		Scarlet Century
Garnet Poinsettia		Tango
James Weller		Yellow Bird

* * *

POT ROOTS

See Page 1

Adirondack Sunset	\$.65	Murphy's Masterpiece	1.00
Aiko . . . . .	.65	Opal	1.30
Amelia Earhart . . . . .	.65	Paul Pfitzer . . . . .	.65
Andrea Csizik . . . . .	.35	Purple Mist	2.00
Arelda Lloyd . . . . .	.50	Red Jug	1.30
Buckeye Bride . . . . .	.35	Red Salute	5.00
California Idol	1.00	Saarland's Heimkehr . . . . .	.50
Cherokee Rose	2.00	Satan . . . . .	.50
Dr. Helmuth Spat . . . . .	.35	The Universe	1.00
Dwight W. Morrow . . . . .	.50	Treasure Chest	1.30
Eva Hunt . . . . .	.50	Watchung Giant	3.25
Frau Ida Mansfield . . . . .	.50	White Duchess . . . . .	.50
Golden Bounty	2.30		
Golden Standard . . . . .	.65		
Graf Zeppelin . . . . .	.35		
Gretel . . . . .	.50		
Jean Trimbee . . . . .	.50		
Jersey's Dainty . . . . .	.50		
Jersey's White Beauty	1.30		
Jessica Dragonette	1.00		
Karl Bonawitz . . . . .	.35		
Kentucky Sun	1.00		
Leiden's Elegance . . . . .	.50		
Limelight	3.25		
Lord of Autumn	1.00		
Margrace	1.00		
Miss Belgium . . . . .	.35		
Miss Ohio	2.00		
Mother Maytrott	3.25		
Mrs. Herbert O'Conor	1.00		

SMALL DAHLIAS

Betty Anne . . . . .	.35		
Bishop of Landaff . . . . .	.35		
Bluebird . . . . .	.35		
Buckeye Baby . . . . .	.35		
Dahliadel Joy . . . . .	.50		
Dianne	3.25		
Dubonnet	1.00		
Julia S.	1.30		
Kate . . . . .	.50		
Maria . . . . .	.50		
McKay's Purity	2.00		
Orchid Lady . . . . .	.35		
Snowsprite	2.00		
Sylvia	1.00		
Tribune . . . . .	.65		



DAHLIADEL NURSERIES

GUARANTEE

All dahlia roots, pot roots and plants are guaranteed healthy and true to name to the extent of replacement with true stock. Roots that fail to start in three weeks will be replaced upon their return. POTASH FED DAHLIAS give such universal satisfaction that we guarantee this year's Dahliadel Introductions to prove entirely satisfactory to the extent of replacement with the same variety or one of any other of equal value from the following season's catalog. Satisfaction and safe delivery guaranteed on everything listed in the catalog except Rooted Cuttings which are only guaranteed to arrive in good condition. After this the purchaser takes all responsibility. See page 28.

NOTICE ON GREEN PLANT AND ROOTED CUTTING SHIPMENTS

Plants will be shipped from April 15th to July 15th, while Rooted Cuttings can be shipped 2 weeks earlier but neither can be sent C. O. D., as this causes delay. When roots and plants are ordered together, roots will be held and shipped with the plants unless otherwise specified. 25 cents must be included with all plant and rooted cutting orders to cover special delivery except where there is no special delivery service at post office of destination; in which case, send 15 cents for special handling. We pay all regular postage. We do not guarantee safe delivery unless plants are shipped as above.

TERMS AND DELIVERY

Orders will be filled with strong, field-grown root divisions unless pot roots, green plants or rooted cuttings are specified. We will notify you if unable to supply any variety, as we do not substitute.

QUANTITY DISCOUNTS ON ROOTS, POT ROOTS, PLANTS AND ROOTED CUTTINGS

Three of any one variety—less 10%

Six of any one variety—less 20%

Ten of any one variety—less 25%

The above quantity discounts do not apply to Special Offers or Collections.

CASH WITH ORDER. Stamps accepted up to \$3.00; above that amount, check, money order or cash by registered mail. Root orders will be shipped according to the growing season of the customer, which in most cases is between April 15th and July 1st. Shipment is prepaid and usually sent by Parcel Post. On C. O. D. shipments the customer pays the C. O. D. charges. We pay all regular postage.

WARNING. Do not send cash by mail unless you have it registered.

FREE ROOT OFFER

On retail orders for dahlia roots, pot roots, plants and rooted cuttings from this catalog, except collections and special offers, you may select complimentary roots as follows: On each dollar you are allowed 25c toward any variety listed on this page. For example, on an order of \$6.00 worth of roots or plants you may select \$1.50 worth from this page, or a \$2.00 variety by paying 50c additional. Mention second choice as season advances, as stock of some varieties is limited.

Alice Whittier	\$.35	Mrs. H. O'Conor	1.50
Anna Benedict	1.00	Robert Emmet . . . . .	.75
Avalon . . . . .	.25	Sonny Boy . . . . .	.50
Bagdad . . . . .	.50	Treasure Chest	2.00
California Rose . . . . .	.75		

Dorothy Stone . . . . .	.50	ORCHID & SINGLE	
Dr. John Carman . . . . .	.35	Dahliadel Twinkle . . . . .	.75
Elite Sport . . . . .	.50	Little America . . . . .	.75
Forest Fire	1.00		
Girl of Hillcrest . . . . .	.50		

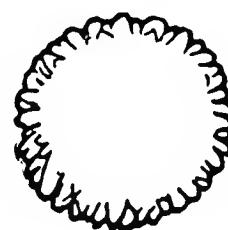
Grace . . . . .	.35	MINIATURES	
Indiana Moon . . . . .	.50	Baby Royal . . . . .	.35
Jane Dixon . . . . .	.50	Diana Jean	1.00
Jersey's Beauty . . . . .	.35	Mirth . . . . .	.50
Jersey's Dainty . . . . .	.75	Raider . . . . .	.25
Josephine G. . . . .	.35		
Kentucky . . . . .	.35	POMPONS	
Maryland Glory . . . . .	.50	Goldilocks . . . . .	.25
Mona Gold	1.00	Little Edith . . . . .	.25
Monmouth Champion . . . . .	.50	Monmouth Queen . . . . .	.75

CANADIAN CUSTOMERS

Please obtain your special permit from Secretary, Department of Agriculture, Ottawa, Ont., when ordering dahlias, as we must have the permit mentioned before we can ship your order. This catalog will be mailed free to customers in Canada. Catalog requests should be accompanied by 25 cents.

Registered in the U. S. Patent Office.

Potash Fed
DAHLIAS



DAHLIADEL NURSERIES

WARREN W. MAYTROTT

VINELAND, N. J.

INDEX

ABBREVIATIONS USED IN INDEX.—A—Anemone. B—Ball. Coll—Collarette. C—Cactus, Incurved or Straight. S-C—Semi-Cactus. FD—Formal Decorative. ID—Informal Decorative. M—Miniature. P—Peony. Pom—Pompon. S—Single. O—Orchid Flowering. Df—Dwarf.

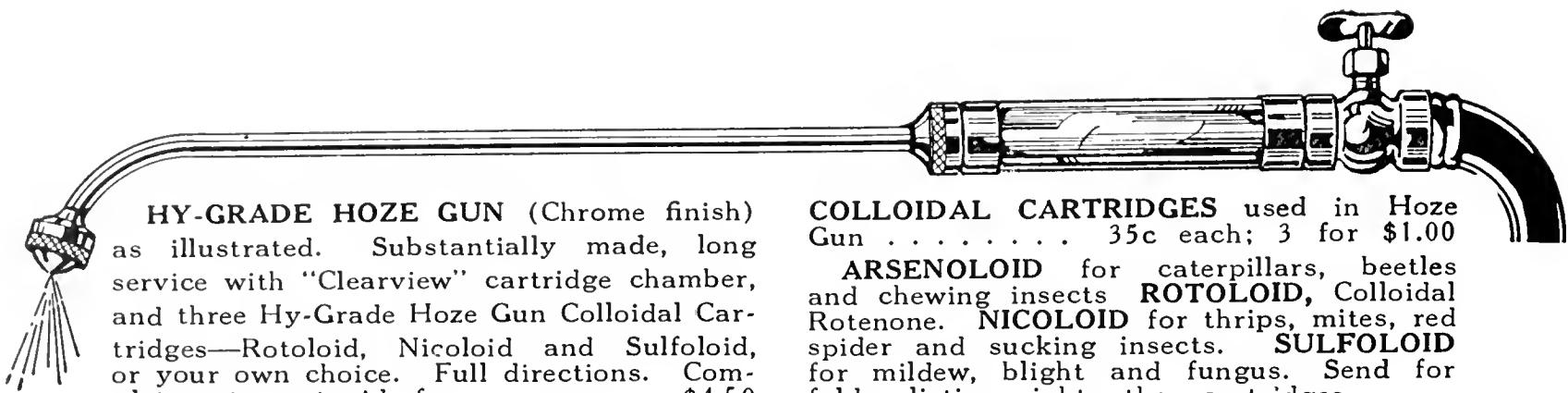
NOTICE. The key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed. Drawings and explanation will be found on pages 24 and 25.

Page		Roots	Plants	Page		Roots	Plants		
37	Ada Finch—A.....	V	....	\$ .50	31	Fire Ball—FD.....	X	3.00	1.00
17	Adirondack Sunset—ID.....	X	1.00	.50	35	Florence—B.....	X	.50	....
19	Adolf Mayer—ID.....	X	....	1.00	C	Forest Fire—ID.....	X	1.00	.50
11	Aiko—S-C.....	X	....	.75	14	Fort Monmouth—ID.....	X	.50	.50
16	Alice in Wonderland—ID.....	X	.50	....	30	Fort Washington—FD.....	Z	.35	....
16	Alice Stellick—ID.....	X	.75	.50	37	Fragrance—MS.....	V	.50	.35
	Alice Whittier—S-C.....	X	.35	....	32	Francis Larocca—FD.....	X	.35	....
	Allen A—ID.....	X	.50	....	7	Frau Ida Mansfield—C.....	X	.75	.50
6	Ambassador—St. C.....	X	.50	....	9	Frau O. Bracht—S-C.....	X	1.00	.50
11	Amelia Earhart—S.C.....	X	1.00	.50	32	Frazier—FD.....	X	.50	....
17	American Legion—ID.....	X	1.00	.50	20	Freda George—ID.....	X	....	1.00
10	American Purity—S.C.....	X	3.50	1.25	8	F. W. Fellows—C.....	Z	.75	.50
8	American Triumph—IC.....	X	.50	....	37	Garnet Poinsettia—S.....	V	.25	....
17	America's Sweetheart—ID.....	X	1.50	.50		Genesee—ID.....	X	.50	....
10	Andrea Csizik—S-C.....	X	.50	.50		Geo. O. Wallace—ID.....	Y	....	2.50
18	Andrea Ericson—ID.....	X	.75	.50	20	Girl of Hillcrest—ID.....	X	.50	....
15	Andree Bayssellance—ID.....	X	....	2.00	5	Glamour—ID.....	X	....	10.00
20	Anna Benedict—ID.....	X	1.00	.50	14	Golden Beauty—ID.....	X	....	1.00
16	Arelda Lloyd—ID.....	X	.75	.50	29	Golden Bounty—FD.....	X	3.50	1.25
37	Autumn Century—S.....	V	.25	....		Golden Eclipse—FD.....	X	.50	....
33	Avalon—FD.....	X	.25	....	18	Golden Prince—ID.....	X	2.00	.75
	Aztec Glory—ID.....	X	.50	....	8	Golden Standard—C.....	X	1.00	.50
	Baerne—S-C.....	X	.50	....	35	Gold Medal—B.....	X	.50	.50
17	Bagdad—ID.....	X	.50	....	14	Good Night—ID.....	X	....	.50
31	Ballego's Glory—FD.....	X	.35	....		Gov. Morgan F. Larson—S-C or ID.....	X	.25	....
9	Ballego's Surprise—S.C.....	X	1.50	.75	33	Grace—FD.....	X	.35	....
6	Ballerina—C.....	X	2.00	.75	18	Grace Curling—ID.....	X	.50	....
	Ballet Girl—C.....	Z	.35	....	31	Graf Zeppelin—FD.....	X	.50	....
	Bette Davis—S.C.....	X	....	.75	11	Greater Glory—S.C.....	X	5.00	2.00
	Betty Zane—ID.....	X	....	.50	10	Gretel—S.C.....	X	.75	.50
32	Blue River—FD.....	X	1.00	.50	20	Harriet Hoctor—ID.....	X	.50	....
15	Bosphorus—ID.....	Y	.75	....	33	Haslerova—FD.....	X	2.00	.75
33	Buckeye Bride—FD.....	X	.50	.50	5	Hillside Gold—St. C.....	X	....	3.35
	Buckeye Star—S.C.....	X	2.00	....	5	Hillside Sunset—ID.....	X	....	5.00
6	California Beauty—C.....	X	.50	.50		Honey Dew—FD.....	X	....	.50
19	California Idol—ID.....	X	1.50	.75	17	H. R. S.—ID.....	X	.50	....
19	California Rose—ID.....	X	.75	....	17	Hunt's Velvet Wonder—ID.....	X	1.00	.50
	Carla—S.C.....	X	.25	....		Imperial Pink—ID.....	X	....	.50
35	Carolyn Ball—B.....	X	.35	....	20	Indiana Moon—ID.....	X	.50	....
	Casper G. Ware—FD.....	Y	.35	....	8	Inspiration—C.....	X	1.00	.50
33	Cavalcade—FD.....	W—X	.75	.50	21	Iroquois Sunbeam—ID.....	X	.50	....
21	Chamoege—ID.....	X	.50	....	31	Jack's Bean Stalk—FD.....	X	.50	....
37	Chancellor—S.....	V	....	.50		James Kirby—ID.....	X	.50	....
35	Charlotte Caldwell—B.....	X	3.00	1.00	37	James Weller—S.....	V	.35	....
16	Charmer—ID.....	X—Y	1.00	.50	16	Jane Cowl—ID.....	X	.35	.35
	C Cherokee Brave—ID.....	X	5.00	2.00	31	Jane Dixon—FD.....	X	.50	....
18	Cherokee Rose—ID.....	X	3.00	1.00		Jane Hall—FD.....	X	.25	....
13	City of Cleveland—ID.....	X	.75	.50	35	Jayseedee—B.....	Y	.75	.50
	City of Trenton—ID.....	X	.50	....	5	Jean Johnston—IC.....	X	....	5.00
17	Clara Barton—ID.....	X	.50	....		Jean Kerr—FD.....	X	.25	....
18	Clara Carder—ID.....	X	1.00	.50	7	Jean Parturet—St. C.....	X	....	.75
21	Classic—ID.....	X	....	.50	11	Jean Trimbee—S.C.....	X	.75	.50
13	Color Sergeant—S-C or ID.....	X	.50	....	33	Jersey's Beauty—FD.....	W—X	.35	.35
	Conservatrix—IC.....	X	....	.50	7	Jersey's Dainty—St. C.....	X	.75	.50
	Corallina—S.C.....	X	.75	....		Jersey's Majestic—ID.....	X	.50	....
30	Cossack—FD.....	X	.35	....	33	Jersey's White Beauty—FD.....	X	2.00	.75
35	Crown of Gold—B.....	X	.50	.50	11	Jessica Dragonette—S-C.....	X	1.50	.75
31	Dahliadel Gold—FD.....	X	1.00	.50	21	Jim Baxter—ID.....	X	5.00	2.00
4	Dahliadel Snow White—S.....	V	3.00	1.00	17	Jimmie Foxx—ID.....	X	5.00	1.50
4	Dahliadel Wonder—S.....	V	3.00	1.00	11	Jim Moore—S-C or ID.....	X	.35	....
5	Dai Wong—FD.....	X	....	3.50	5	Joseph E. Mitchell—ID.....	X	....	3.50
31	Darcy Sainsbury—FD.....	X	2.50	1.00	13	Josephine G.—S-C or ID.....	X	.35	....
18	Dean Anderson—ID.....	X	....	1.50	21	Judge Samuel Seabury—ID.....	X	1.00	.50
31	Democracy—FD.....	X	1.00	.50	9	Julius C. Bunge—S-C.....	X	....	1.50
15	Derrick W. Hart—ID.....	X	.50	....	8	Kareol—IC.....	X	.50	....
20	Director Carl G. Dahl—ID.....	X	....	2.50	10	Karl Bonawitz—S-C.....	X	.50	.50
13	Dixie Ravenscroft—S-C or ID.....	X	.50	....	30	Katherine Cole—FD.....	X	.50	....
4	Doc—S.....	V	....	1.00	20	Kathleen Norris—ID.....	X	.50	.50
	Dokoupil's Triumph—ID.....	X	.35	....	18	Katie K.—ID.....	X	5.00	1.50
11	Dorcas Ann—S-C.....	X	.50	....	9	Kay Francis—S-C.....	X	1.00	.50
37	Doris—S.....	V	.25	....	20	Kemp's Violet Wonder—ID.....	X	.50	.50
18	Dorothy Duke—ID.....	X	.35	....	33	Kentucky—FD.....	W—X	.35	....
20	Dorothy Stone—ID.....	X	.50	....	13	Kentucky Dawn—ID.....	X	7.50	2.50
6	Dr. Helmuth Spat—C.....	X	.50	.50	35	Kentucky Snowball—B.....	X	....	.50
32	Dr. John Carman—FD.....	X	.35	....	14	Kentucky Sportsman—ID.....	X	....	2.00
16	Duchess—ID.....	X	....	1.00	31	Kentucky Sun—FD.....	X	1.50	.50
7	Dulcinea—St. C.....	X	1.00	.50	13	Kilgore's King—ID.....	X	....	1.00
20	Dwight W. Morrow—ID.....	X—Y	.75	.50	17	La Fiesta—ID.....	X	.75	.50
17	Eagle Rock Fantasy—ID.....	X	....	.50	8	Leiden's Elegance—C.....	X	.75	.50
11	Edna Ferber—S-C.....	X	.50	.50	8	Lilac Glory—IC.....	X	.50	....
30	Edward T. Rindfleisch—FD.....	Z	.50	....	10	Limelight—S-C.....	X	5.00	1.50
15	Elinor M. Radell—ID.....	X	.50	....	37	Little America—S.....	V	.75	.50
33	Elite Glory—FD.....	X	.50	....	37	Lois—S.....	V	.35	....
33	Elite Sport—FD.....	X	.50	....	5	Lois Walcher—FD or ID.....	X	....	3.50
	Eliza London Shepard—ID.....	Z	.50	....	17	Lord of Autumn—ID.....	X	1.50	.50
7	Ella May—C.....	X	.50	....	33	Luella Cass—FD.....	X	....	.50
30	Emanuel's Beauty—FD.....	X	.50	....	15	Mabel S. Douglass—ID.....	X	.50	....
	Emma Marie—S-C or ID.....	X	.35	....	20	Man O'War—ID.....	X	1.00	.50
37	Erica—Coll.....	V	.50	.50	20	Margaret W. Wilson—ID.....	X	.35	....
14	Eva Hunt—ID.....	X	.75	.50	18	Margrace—ID.....	X	1.50	.75
37	Fille—Coll.....	V	.50	.50		Marianna—S-C.....	X	.75

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3	Marietta E.—IC	X	\$7.50	\$2.50	21	Sanhican's Bluebird—ID	X	.35
19	Marmion—ID	X	.50	32	Sanhican's Cameo—FD	X	.50	
30	Mary Ellen—FD	X	.50	5	San Francisco—ID	X	5.00	
35	Mary Helen—B.	X	.50	10	Satan—S-C	X	.75	
31	Maryland Glory—FD	X	.50	37	Scarlet Century—S	V	.50	
11	Mary Retzer—S-C	X	1.00	.50	Scarlet Jersey Beauty—FD	X	3.00	
35	Mary Talmage—ID	X	.....	1.00	Shahrazad—ID	X	.50
Maude Adams—B.	X	.35	.....	Sleepy Hollow—IC	X	2.00	
Meadowbrook—FD	X	.75	.....	Snowcap—FD	X	.25	
Mercki—MS	V	.....	.35	Son of Satan—IC or S-C	X	3.50	
Michigan White—ID	X	.....	1.50	Sonny Boy—ID	X	1.25	
Mid West Champion—ID	X	1.50	.50	Sport—IC	X	.....	
Milton J. Cross—ID	X	2.00	.75	8	Star of Bethlehem—S-C or ID	X	.75	
Minnora—ID	X	1.00	.50	13	Straight's White—ID	X	10.00	
Miriam Hopkins—S-C	X	1.50	.75	30	Sultan of Hillcrest—FD	Y	.75	
Miss Belgium—St. C.	X	.50	.50	20	Sunrays—ID	X	10.00	
Miss Elsie Jane—S-C	X	.75	.50	35	Supt. Amrbyn—B	X	.50	
Miss Englewood—ID	X	.....	1.00	37	Tango—S	V	.25
Miss Glory—S-C	X	2.50	1.00	6	Tarzan—ID	X	3.00	
Miss Oakland—FD	X	3.00	1.00	13	Television—ID	X	1.00	
Miss Ohio—IC	X	3.00	1.00	21	The Commodore—ID	Y	.....
Mitzi—Coll	V	.50	.....	13	The Fireman—ID	X	.50
Mme. Geo. Pezant—IC	X	.....	.75	18	The Lemonade—ID	X	.50
Model 999—S-C	X	.....	3.50	7	The Ohioan—St. C	X	2.00
Mona Gold—FD	X	1.00	.50	19	The Universe—ID	X	.75	
Monarch of the East—FD	X	7.50	2.50	35	The U. S. A.—P	X	.75	
Monmouth Champion—FD	X	.50	.....	33	The World—FD	W-X	.50
Monmouth Queen—ID	X	.75	.50	30	Thomas A. Edison—FD	Y	.75	
Mother Maytrott—ID	X	5.00	2.00	4	Thrill—S	V	3.00	
Mr. H. C. Dresselhuys—FD	X	.25	.....	10	Treasure Chest—S-C	W-X	1.00
Mrs. Bruce Collins—St. C	X	.75	.50	32	Treasure Island—FD	Y	.50	
Mrs. C. D. Anderson—B	X	.35	.....	37	Tribune—Coll	V	.50
Mrs. Frances E. Bullard—P	X	.35	.....	2	Virginia Shipley—FD or ID	X	10.00
Mrs. Geo. LeBoutillier—ID	X	1.00	.50	32	Volcano—FD to ID	X	3.50	
Mrs. Herbert O'Connor—St. C or IC	X	1.50	.75	30	Waldheim Sunshine—ID	X	.50	
Mrs. I. de Ver Warner—FD	X	.25	.....	18	Watchung Giant—ID	X	5.00
Mrs. Wm. Knudsen—ID	Z	.....	1.50	19	White Abundance—ID	X	1.00
Murphy's Masterpiece—ID	X	1.50	.75	15	White Duchess—ID	Y	.75	
Myra Howard—ID	X	.50	.....	30	White Prolific—FD	W-X	.75
Newport Wonder—S	V	.50	.35	18	White Wonder—ID	X	.50	
North's Yellow—ID	X	.50	.....	31	W. H. T.—FD	X	.50
Notre Dame—MS	V	.50	.....	30	Yellow Marvel—FD	X	1.00
Oakleigh Monarch—FD	X	1.50	.50	5	Your Lucky Star—St. C	X	10.00	
Old Hickory—FD	W-X	.50	.....	3.50			
Omar Khayyam—FD	X	.50	.....				
Opal—ID	X	2.00	.75					
Orchid Moonlight—FD	X	2.00	.75					
Oriental Beauty—S-C	X	.50	.....				
Pacific Splendor—ID	X	.....	1.50				
Palo Alto—ID	X	.75	.50					
Panhandle Pink—S-C	X	.50	.....				
Paul Pfitzer—S-C	X	1.00	.50					
Peace—ID	X	.....	1.50				
Peppermint Candy—S-C or ID	X	.....	.50				
Pequot Yellow—S	V	.75	.50					
Phantom—FD	X	.75	.50					
Pink Preakness—Coll	X	.....	1.50				
Pink Spiral—IC	X	.75	.50					
Pot O'Gold—ID	Y	.50	.....				
Prachtkerl—S-C	X	.....	.50				
Premier's Exquisite—IC	X	.....	2.50				
Premier's Majestic—ID	X	.....	2.50				
Premier's Winsome—ID or FD	X	.....	5.00				
Pride of America—S-C	X	2.00	.75					
Pride of Austinburg—ID	X	1.50	.75					
Prince of Bulgaria—MS	V	.50	.35					
Prince of Persia—ID	X	.50	.....				
Purity—S	V	.35	.....				
Purple Mist—FD	X	3.00	1.00					
Queen City—FD	X	1.00	.50					
Queen of the Garden Beautiful—FD	X	.50	.....				
Rajah—ID	X	.50	.....				
Ray Warner—ID	W-X	1.00	.50					
Red Jug—S-C	X	2.00	.75					
Red Salute—FD	X	7.50	2.50					
Red Spider—IC	X	3.00	1.00					
Reichardt's Masterpiece—S-C	X	.75	.....				
Renate Muller—IC	X	.75	.50					
Rialside King—ID	X	5.00	2.00					
Rita Wells—ID or S-C	X	.....	5.00				
Robert Emmet—ID	X	.75	.50					
Robert L. Ripley—ID	X	5.00	2.00					
Robert Treat—FD	X	.25	.....				
Rockley Dictator—ID	Y	.....	2.00				
Rockley Moon—FD	X	.75	.....				
Rosemary—FD	Y	5.00	2.00					
Rosemary's Beauty—S-C	X	5.00	1.50					
Rosy Morn—ID	X	7.50	2.50					
Royal Purchase—IC	X	2.00	.75					
Royal White—ID	X	.50	.....				
Rudolf's Giant—ID	X	5.00	2.00					
Rudy Vallee—S-C	X	.50	.50					
Saarland's Heimkehr—St. C	X	.75	.50					
Salem Pride—FD	X	.50	.....				
Salem Streamline—ID	X	.....	1.00				
Sale's Giant—S-C	V	.....	.50				

SEE DWARF DAHLIAS PAGE 34 ORCHID FLOWERING DAHLIAS PAGE 36 POMPON DAHLIAS PAGE 42



HY-GRADE HOZE GUN (Chrome finish) as illustrated. Substantially made, long service with "Clearview" cartridge chamber, and three Hy-Grade Hoze Gun Colloidal Cartridges—Rotoloid, Nicoloid and Sulfoloid, or your own choice. Full directions. Complete set, postpaid, for \$4.50

COLLOIDAL CARTRIDGES used in Hoze Gun 35c each; 3 for \$1.00

ARSENOLOID for caterpillars, beetles and chewing insects **ROTOLOID**, Colloidal Rotenone. **NICOLOID** for thrips, mites, red spider and sucking insects. **SULFOLOID** for mildew, blight and fungus. Send for folder listing eight other cartridges.

DAHLIA GROWERS' SUPPLIES

DAHLIADEL PLANT FOOD—Made especially for dahlias, of the highest grade materials, for the production of fine flowers and strong roots, to supply a balanced food available as needed by the plant. Economical and good for all outdoor flowers and vegetables.

Directions: Spring applications, 3 to 6 lbs. to each 100 square feet. August application, 3 to 4 lbs. This may be divided into three applications, but not over 10 lbs. to ten hills should be applied during a season.

Registered in New Jersey only, shipments into other states prohibited except in small parcel post shipments at the same prices as Potash.

Price, F. O. B. factory in Philadelphia, 50 lbs., \$2.75; 100 lbs., \$5.00; 200 lbs., \$9.00; ton, \$75.00.

POTASH (Muriate) or POTASH (Sulphate). To use in making up your own mixture. Four lbs. postpaid up to 4th zone 55c; add 10c for each zone beyond 4th. Eight lbs. for \$1.00 postpaid up to 4th zone; add 20c for each zone beyond 4th.

DAHLIADEL DIP. A mixture of Sulphur and Air Floated Gypsum for dipping cut portions of dahlia roots when dividing. 1½ lbs. for 30c; 4½ lbs. for 55c, postpaid up to 4th zone; add 5c or 10c respectively for each zone beyond 4th.

PYRETHRUM SOAP. A non-poisonous insecticide effective on all insect life and not injurious to animals or plants. Will not burn foliage or buds. A desirable spray for aphids and for thrips and leafhoppers when used with Black Leaf Forty. Four ounces make 4 to 5 gallons of spray. Postpaid, including the 4th zone, 4 oz., 50c; 8 oz., 85c; quart, \$2.00; gal., \$7.00.

BLACK LEAF FORTY (Nicotine Sulphate). A concentrated solution for aphid, thrips, leaf-hoppers and red spider. Oz., 40c; 5 ozs., \$1.10; lb. \$2.40. Postpaid.

RED ARROW GARDEN SPRAY. An effective non-poisonous solution that is deadly to all insects. Recommended to check cucumber beetles, thrips, aphids, leaf-hoppers, aster beetles, root lice, white flies, etc. Dilute with 200 to 800 parts of water. 1 oz. glass, 35c; 4 oz. glass, \$1.00; 1 pt. tin, \$2.85; qt., \$5.40. Postpaid, including 4th zone.

WOOD TREE LABELS. 5/8 x 3½" copper wired. Painted—50c per 100, \$3.00 per 1000.

Plain (not painted)—40c per 100; \$2.50 per 1000; postpaid, including 4th zone.

WOOD PLANT LABELS. 5/8 x 10". Painted 85c per 100; \$1.70 per 250; \$6.50 per 1000. Plain (not painted)—75c per 100; \$1.50 per 250; \$5.50 per 1000; Postpaid.

MARKER PENCIL (Mechanical). Enamel finish, with pocket clip. Propels, repels and expels. A desirable mechanical pencil for marking paint or wooden surfaces such as tree and plant labels for dahlias. Lead is very heavy and weatherproof. Pencil with additional box of 4 leads 35 Additional leads, 4 in tube (black) 10

CYPRESS STAKES. 1" square, 4 ft. long. Suitable for supporting dahlias of medium growth. Bundle of 25, \$1.50; per 100, \$5.00.

CYPRESS STAKES. 1¼" square, 6 ft. long. Suitable for gardens where dahlias grow tall. Bundle of 25, \$3.00; per 100, \$10.00; F. O. B. Vineland. Five-foot stakes can be supplied at 10 per cent less than above price.



IMPORTED PRUNING SHEARS, 8¾ inches. Double cutting blades make them especially desirable for dividing and trimming dahlia clumps. We have used these shears for years. Suitable for general pruning as well. Postpaid, \$4.50.

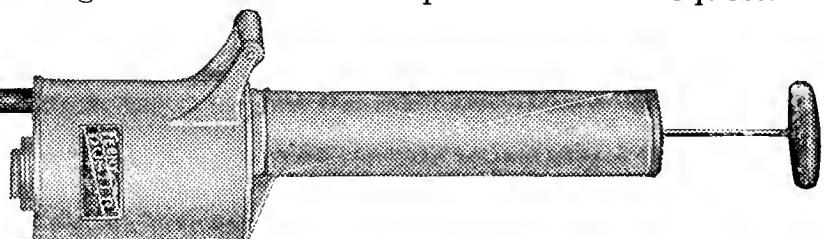
MODERN DAHLIA CULTURE—By W. H. Waite. Written to meet the needs of the novice and to interest the expert. 126 pages of clear type, well illustrated. Cloth binding. \$1.60 postpaid.

LOOSE LEAF FLEXIBLE BINDER with 100 A. D.S. Trial Ground Score Sheets. Sheet size 6½ x 4 in., suitable for making complete record of variety. Postpaid, 90c.

TRIAL GROUND SCORE SHEETS

100 sheets	- - - - -	.50
250 sheets	- - - - -	\$1.00

DAHLIADEL SCORE SHEETS, same as A.D.S. in price and scoring table but with tabulation for 5 years' garden records. Sample sheets on request.



NIAGARA "TWO-QUART" DUSTER as illustrated. A practical all-around duster for general garden use. Long enough to dust the undersides of lower leaves without stooping. Straight and curved nozzles. Capacity about two quarts. Price \$2.75, postpaid, including 4th zone.

NIAGARA "ONE-QUART" DUSTER is the same as above without handle on body. Capacity about one quart. Price \$1.45, postpaid, including 4th zone.

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DAHLIADEL NURSERIES

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QUANTITY	NAME OF VARIETY OR ARTICLE WANTED	PRICE EACH DOZ. OR C.	EXTEND AMOUNT HERE
Roots	PLANTS	DOLLARS CENTS	DOLLARS CENTS
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	TOTAL		

25c MUST BE INCLUDED WITH ALL PLANT ORDERS TO COVER SPECIAL DELIVERY. 15c MAY BE SENT FOR SPECIAL HANDLING INSTEAD WHERE THERE IS NO SPECIAL DELIVERY SERVICE AT POST OFFICE OF DESTINATION. WE PAY ALL REGULAR POSTAGE.



Forest Fire

FOREST FIRE (Dahliadel 84E), **ID, Bloom 10 x 6, Bush 4½ ft.** This dahlia is still spectacular and one of our best sellers. Forest Fire is distinct lemon yellow for about one-third the length of the petals, then shaded to rich scarlet toward the tips and enhanced by clear yellow petaloids. This variety is a rather stocky grower but can be very nicely handled by following Drawing Y. This will keep the blooms sufficiently above the foliage under normal growing conditions. It will also stand partial shade and although a little longer coming into bloom the bushes are considerably taller, and the stems longer between nodes. This dahlia does best with normal culture as it does not take forced feeding, and is really best in cool weather. Certified at Storrs, and at East Lansing. It attracts plenty of attention wherever shown and although a little late makes up for it with its wonderful blooms. **Roots, \$1.00; Plants, \$.50**



DIANA JEAN



CHEROKEE ROSE



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